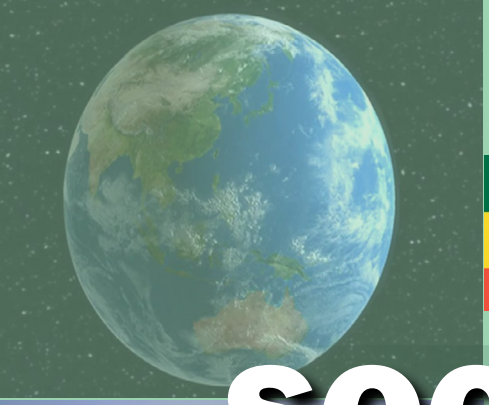










SOCIAL STUDIES

Student Textbook



For Grade 8

Addis Ababa City Administration Education Bureau

Addis Ababa / Ethiopia / 20 14 EC

SOCIAL STUDIES

Grade 8

Student Textbook

Addis Ababa City Administration Education Bureau

Take Good Care of This Textbook

This textbook is the property of your school. Take good care not to damage or lose it.

Here are 10 ideas to help take care of the book:

1. Cover the book with protective material, such as plastic, old newspapers or magazines.
2. Always keep the book in a clean dry place.
3. Be sure your hands are clean when you use the book.
4. Do not write on the cover or inside pages.
5. Use a piece of paper or cardboard as a bookmark.
6. Never tear or cut out any pictures or pages.
7. Repair any torn pages with paste or tape.
8. Pack the book carefully when you place it in your school bag.
9. Handle the book with care when passing it to another person.
10. When using a new book for the first time, lay it on its back. Open only a few pages at a time. Press lightly along the bound edge as you turn the pages. This will keep the cover in good condition.

PHOTO CREDIT:

While every attempt has been made to trace and acknowledge copyright, the authors and publishers apologies for any accidental infringement where copyright has proved untraceable.

©Addis Ababa City Administration Education Bureau

First edition 2021

Addis Ababa

Authors:

Tilahun Atlabachew T/Giorgis (M.A.)

Melkamu Belay Tiruneh (B.A.)

Kassahun Demissie Worku (M.A.)

Mulugeta Dires Fetene (M.A.)

Editors, Reviewers and Evaluators:

Belay Belete Birhanu (MA)

Solomon Wondimu Metaferia (MA)

Illustration & Layout Designer

Tesfa Tefera Netsere (BA)

Addis Ababa / Ethiopia / 20 14 EC

Contents

Pages

UNIT 1: PHYSICAL CHARACTERISTICS OF THE EARTH

1.1 Forces Shaping the Earth's Surface……...……...….2

1.2 Composition and Structures of the Earth's Atmosphere…….....……14

1.3 Elements and Controls of Weather and Climate……....……..18

- *Unit Summary*……..28
- *Glossary* ……..29
- *Review Questions*……..30
- *Check List*

UNIT 2: PEOPLE AND SOCIOECONOMIC ACTIVITIES

2.1 Cultural Diversity and Changes……...……..…...34

2.2. Major Economic Activities……..…..……...41

2.3 Trade and Market as the Current National and Local Concern…..….....…49

2.4 Government Revenue and Tax……....……55

- *Unit Summary*……..60
- *Glossary* ……..61
- *Review Questions*……..62
- *Check List*

UNIT 3: NATURAL RESOURCES AND SOCIOECONOMIC DEVELOPMENT

3.1 Conservation and Utilization of Natural Resources for Sustainable Development…….....…….....…66

3.2 Consequences of Unwise Utilization of Natural Resources……..……...…...81

3.3 Resource Accessibility and Resource Based Conflicts……..……..…...…….82

- *Unit Summary*……..85
- *Glossary* ……..86
- *Review Questions*……..87
- *Check List*

UNIT 4: EARLY MODERN AND MODERN WORLD HISTORY

4.1 The Great Geographical Discoveries…….....91
4.2 Renaissance, Reformation and Counter-reformation…….....97
4.3 The Industrial Revolution……...102

4.4 The Two World Wars…….....104

4.5 The Cold War……...116

- *Unit Summary*……..121
- *Glossary* ……..122
- *Review Questions*……..123
- *Check List*

UNT 5: AFRICA SINCE THE 1500S

5.1 Slavery and the Slave Trade…….....127

5.2 Colonialism in Africa……...…...136

5.3 Independent African States and Moves towards Economic and Political Integration…….....142

- *Unit Summary*……..149
- *Glossary*……..150
- *Review Questions*……..151
- *Check List*

UNIT 6: MODERN HISTORY OF ETHIOPIA

6.1 Formation of Modern Empire State…….....155

6.2 Long Distance Trade and Medium of Exchange……..…..….....161

6.3 Ethiopia and the Outside World…….....164

6.4 The Unity of Ethiopians in Defense of their Sovereignty and Territorial Integrity…….....…….…….….170

- *Unit Summary…….....187*
- *Glossary…….....188*
- *Review Questions…….....189*
- *Check List*

UNIT 7: CONTEMPORARY GLOBAL ISSUES

7.1 Climate Change……...193

- *Unit Summary…….....207*
- *Glossary …….....208*
- *Review Questions…….....209*
- *Check List*

UNIT 1

PHYSICAL CHARACTERISTICS OF THE EARTH

Learning Outcomes

At the end of this unit, learners will able to:

- Differentiate between internal and external forces shaping the surface of the earth;
- Identify the types of land forms formed by the earth's internal and external forces;
- Describe the different thermal and compositional layers of the Earth's atmosphere;
- Distinguish the difference between weather and climate;
- Identify elements and controls of weather and climate.

Main contents

1.1 Forces shaping the Earth's surface.

1.2 Composition and structures of the Earth's atmosphere

1.3 Elements and controls of weather and climate

- ***Unit Summary***
- ***Review Questions***

1.1 Forces Shaping the Earth's Surface

Competencies: After studying this lesson, learners will be able to:

- Describe internal and external forces shaping the surface of the earth;
- Identify land forms created by external and internal forces;
- Explain how the earth's internal and external force affect human life;

These are the words you should try to learn for this lesson

Top ten words

- Anticline
- Crater
- Denudation
- Exfoliation
- Faulting
- Fissure
- Fold mountains
- Magma
- Richter scale
- Weathering

More key words

- Block mountains
- Earthquake
- Epicenter
- Lava
- Normal fault
- Reverse fault
- Seismometer
- Stalactite
- Syncline

1.1.1 Internal or Tectonic Forces and Resultant Landforms

Start-up question

What are the internal forces that affect the formation of landforms?

Internal forces are forces that come from the inside of the earth. These forces form the ups and downs on the earth's crust. These forces include folding, faulting, volcanism and earthquakes.

I. Folding

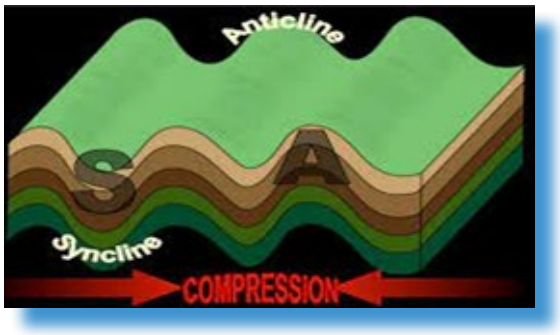


Figure 1.1 Anticline and syncline

Folding is the bending of rock layers due to earth movements from one or two sides. Folds are most visible in rocks that contain layering (sedimentary rocks). A **monocline** is a type of fold in which all rock layers bend in the same direction. If the layers of rock bend upward, it is called **anticline**. If the layers of rock bend downward, it is called **syncline**.

Fold Mountains

Start-up questions

What are Fold Mountains?

List the major Fold Mountains of the world.

Fold Mountains are formed by crust which has been uplifted, and folded by compressional forces. Fold mountains are usually formed from sedimentary rocks and are usually found along the edges of continents. This is because the thickest deposits of sedimentary rock are generally accumulated along the edges of continents.

The following are major Fold Mountains of the world:

1. Andes (South America)
2. Rockies (North America)
3. Alps (Europe)
4. Himalayas (Asia)
5. Atlas (North Africa)
6. Cape Ranges (South Africa)
7. Australian Alps (Australia)



Figure 1.2 Major Fold Mountains of the world

II. Faulting

Start-up questions

What is faulting?

Describe the major features formed by faulting.

Movements in the crust of the earth sometimes make cracks. These cracks are called faults. Faults occur due to two basic forces. these are tensional and compressional forces. Tension force causes a **normal fault**, and compression as forces causes a **reverse fault**.

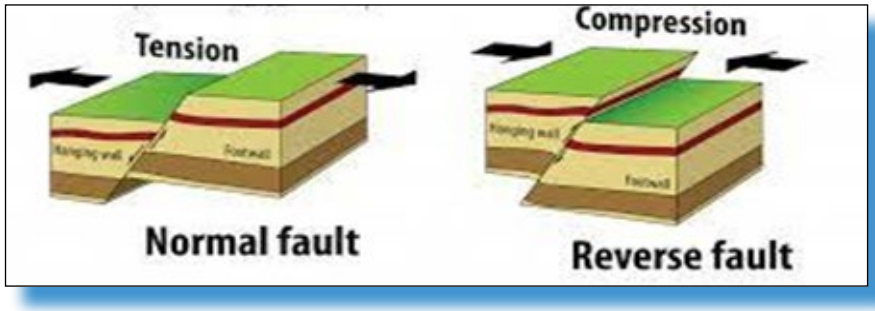


Figure 1.3 Normal and reverse fault

Rift valleys and block/Horst/ mountains are major features formed by faulting.

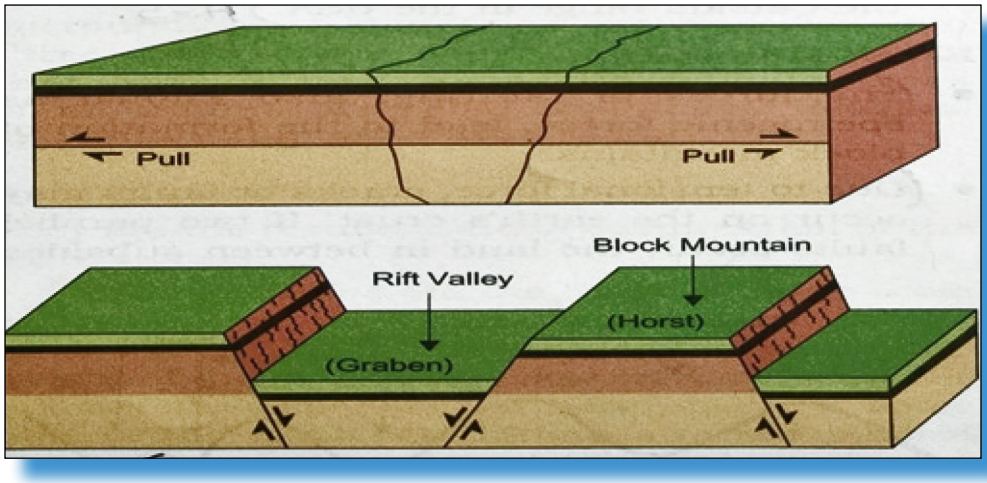


Figure1.4 Rift valley and Block Mountain

Rift Valleys

Start-up questions

What is rift valley?

How is it formed?

A rift valley is formed when the land between two parallel faults sinks down.

The largest rift valley in the world is the East African Rift Valley. It extends 7200 km from Syria to Mozambique, passing through the Red Sea; it touches Eritrea, Ethiopia, Kenya, Tanzania, DR Congo, Rwanda and Burundi. It covers 5600 km in Africa.



Figure 1. 5 The Great East African Rift Valley

The Ethiopian Rift Valley is part of the East African Rift Valley. It extends from northeast to south west. Features found in the Rift Valley include active volcanoes, lakes, hot springs and fumaroles.

Block (Horst) Mountains

Start-up questions

What is Block Mountain?

How is it formed?

Block Mountains are formed by the uplift of land between two parallel faults. This mountains are found closer to fold mountains in many parts of the world.

III. Volcanism

Start-up questions

What is volcanism?

What are the landforms formed by volcanism?

Volcanism is the process by which molten rock (magma) is forced out to the surface of the earth. The high temperature inside the earth changes rocks into molten magma. The magma that reaches the surface is called **lava**.

The lava may come out on the surface through a single hole called a **vent** or several cracks called **fissures**.

When a hole is formed at the top of the cone of a volcano it is called **crater.** If the hole or crater is very wide, it is known as **caldera.** A lake formed in a caldera is known as Crater Lake. Mount Zequala is a very good example of cone-shaped volcanic mountain with a crater lake.

Volcanic activities may result in two deffrent types of landforms. These are:-

A. **Extrusive landforms**: form on the surface of the earth. They include volcano, crater, caldera and lava.
B. **Intrusive landforms**: result from solidified magma before reaching the surface of the

earth. When magma collects in the crust, it forms batholiths, laccoliths, dykes and sills.

Batholith: is a very large mass of magma which accumulates in the crust.

Laccolith: is a mushroom shaped body of intrusive igneous rock smaller than a batholith.

Dyke: is formed when magma solidifies in a vertical or near-vertical crack.

Sill: is a near horizontal intrusion of igneous rock between two rock layers.

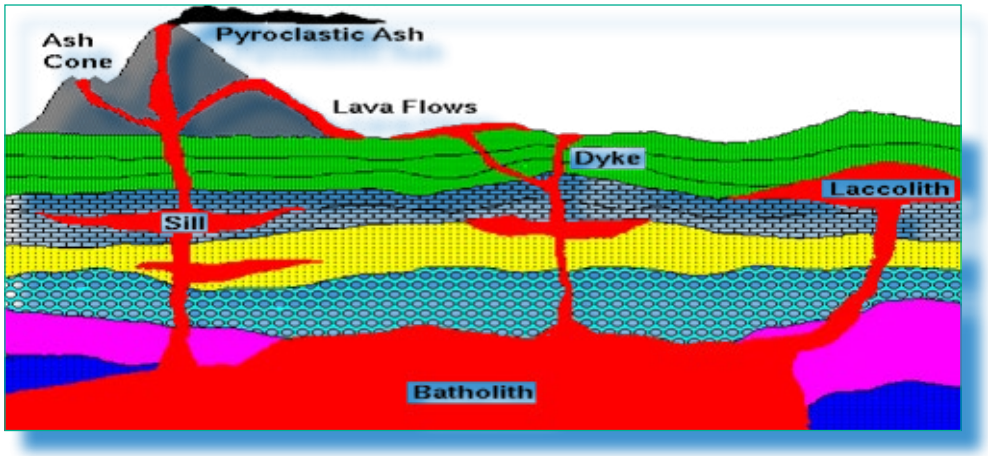


Figure 1.6 Major volcanic features

Types of volcanoes

Volcanoes have three types. These are:

i. **Active volcanoes:-** these types of volcanoes have a recent history of eruptions; they are likely to erupt again.
ii. **Dormant volcanoes:-** they have not erupted for a very long time, but they may erupt at a future time.
iii. **Extinct volcanoes:-** they are dead volcanoes that are not expected to erupt in the future.

Effects of volcanism on human life

Volcanic eruption has both negative and positive impacts on human life. Let us look at these impacts as follows:-

i. Disadvantages of volcanic eruption

Volcanoes emit hot, dangerous gases, ash, lava, and rock that are powerfully destructive. Volcanic eruptions can result in additional threats to health, such as floods, mudslides, power outages, drinking water contamination and wildfires. It also results in infectious disease, respiratory illness, burns, injuries from falls, and vehicle accidents related to the slippery, hazy conditions caused by ash.

ii. Advantages of volcanic eruption

Volcanic eruption has the following advantages. It:-

- ☞ Provides hot water for bathing
- ☞ Helps to generate geothermal energy
- ☞ Provides fertile soils that is good for farming
- ☞ Creates dramatic scenery that can attract tourists
- ☞ Forms hard and expensive minerals used as jewelry
- ☞ Provides hard rocks for building, etc.

IV. Earthquake

Start-up questions

What is an earthquake?

Where do earthquakes frequently occur?

Earthquakes are sudden movements in the earth's crust. They are caused by internal movements deep down inside the earth. Earthquakes are frequently associated with faults.

They take place along fault lines where the earth's crust is weak. When an earthquake occurs, vibrations from the centre spread out in the form of waves in all directions.

The point at which an earthquake originates is called the **focus**. The point on the earth's surface immediately above the focus is called the **epicenter**. The intensity of an earthquake is measured by an instrument called a **seismometer,** and it is recorded on a seismograph. The scale which gives the magnitude is called the **Richter scale.** It ranges from 0 to 9. The recordes that range to 5 indicate **minor or light**; if it is 5 to 7 **moderate to strong**. If the range is 7 to 8, it is an indication of **major** earthquake and if it ranges above 8 or more, it is considerd as a **great** one. The Ring of Fire, also referred to as the **Circum-Pacific Belt**, is a path along the Pacific Ocean characterized by active volcanoes and frequent earthquakes. The majority of Earth's volcanoes (75%) and earthquakes (90%) take place along the Ring of Fire.

Effects of Earthquakes

- Loss of life and destruction of property
- Displacement of parts of the earth's crust vertically or laterally
- Landslides and deep cracks in surface rocks
- The devastation of cities, fires and diseases
- The rise or lowering of the sea floor

Activity 1.1 A

A. **Questions based on facts**

1. **Define the following terms:**

   a. Folding **c. Earthquake** **e. Epicenter**

   b. Volcanism **d. Syncline**

2. What does it mean by internal force?
3. What is the difference between anticline and syncline?
4. What are the major features formed by faulting?
5. What are the three types of volcano? How do they differ from each other?
6. What is the difference between magma and lava?
7. What are the impacts of internal forces on human life?

B. **Group work**

1. Show the location of the Great East African Rift Valley on the map of Africa and list down the countries touched by this rift valley.

1.1.2 External or Gradational Forces and Resultant Landforms

Start-up question

What does it mean by external forces?

External forces are the forces that act upon the earth's surface from the outside. These forces level the ups and downs of the earth's surface. This process occurs in two ways: denudation and deposition.

Denudation: is the lowering of the land by wearing away of the surface of the earth. It consists of **weathering** and **erosion**.

1. Weathering

Weathering refers to the breaking down of rocks into smaller particles. There are two types of weathering. These are physical (mechanical) and chemical weathering.

i. **Physical weathering**: it is the process by which rocks are broken into smaller pieces. Its main agents (causes) are temperature change, frost action and plant and animal action.

a. **Temperature change**: The temperature variation between day and night causes rock to expand and contract. Due to this process the rock layers peel off and fall to the ground. The process of breaking rock layers because of changes of temperature is called **exfoliation (Onion skin weathering).**



Figure 1.7 Exfoliation (left) and Frost action (right)

b. **Frost action**: Rain water fills the cracks and the pores of rocks, and expands on freezing, by exerting a great pressure on the rocks. The alternate thawing (warming) and freezing in time make the rocks break up into pieces. These fragments pile up at the bottom of the main rocks forming **screes**.

c. **Plant and animal action**: The roots of some plants may enter the cracks of rocks and push the rock apart. This leads to the breakdown of the rocks. Some animals make holes into the ground to find food and shelter. This also breaks up rocks.

ii. **Chemical weathering**: it is a process which causes complete change in the internal structure of rocks. Its main agents are rain action and plant and animal action.

a. **Rain action**: When rain water passes through the atmosphere, it takes in

carbon dioxide and forms carbonic acid. When carbonic acid comes in contact with limestone, it dissolves the limestone and forms caves. The cave contains features, such as: stalactites, stalagmites and pillars.

Stalactite: is a limestone column that hangs down from the roof of the cave.

Stalagmite: is a limestone column that grows upwards from the floor of the cave.

Pillar: is formed when stalactite and stalagmite join together.

b. **Plant and animal action**: Bacteria in the presence of water break down certain minerals in the soil. Plants absorb minerals, and decaying vegetation produces organic acid which cause a further breakdown of minerals.

2. Erosion

Start-up questions

What is erosion?

What are the major agents of erosion?

What are the major types of erosion?

Erosion is the movement of broken rock and soil particles from one place to another by running water, wind, moving ice or sea waves.

A. Erosion by Running Water

Start-up question

How does running water cause erosion?

Rivers are the most important of all natural agents which play a graat roles in shaping the earth's surface. The work of running water includes **eroding, transporting** and **depositing** eroded material.

There are three types of running water erosion and they are described as follows:

Sheet erosion: occurs when surface water moves in a wide flow.

Rill erosion: occurs when surface water cuts relatively small channels.

Gully erosion: occurs when floods cut deep wide gorges.

B. Wind erosion

Wind is the strongest force of erosion in deserts. As it blows across the desert surfaces, it picks up and transports grains of sand from one part to another part of the desert. Wind erosion and deposition form different landforms, such as:

- **Sand dune** is a small hill of sand formed by the action of the wind.
- **Barchan** is a sand hill that has a crescent-moon shape.
- **Loess deposit** is a deposition of fertile soil in the desert by wind.

Activity 1.1 B

A. **Questions based on facts**

1. Define the following terms:
2. What are the agents of erosion? Which one is more significant in desert areas?
3. What are the types of landforms formed by wind erosion and deposition?
4. What is the difference between physical and chemical weathering?
5. What are the causes of physical weathering?

B. **Things to do:**

Prepare diagrams representing major landforms of your nearby environment. Finally, show your work to the class.

1.2 Composition and Structures of the Earth's Atmosphere

Competencies: After studying this lesson, learners will be able to

- Describe the different layers of the earth's atmosphere and their characteristics

These are the words you should try to learn for this lesson

Top five terms

- Aerosol
- Atmosphere
- Ionosphere
- Mesosphere
- Ozone

More key terms

- Exosphere
- Meteorite
- Rare gases
- Stratosphere
- Troposphere

1.2.1 Composition of the Earth's Atmosphere

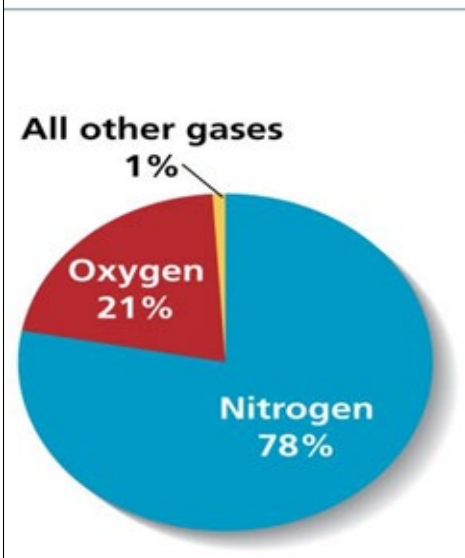
Start-up question

What is atmosphere?

The air that surrounds the earth is called the atmosphere. It is an envelope of transparent, colorless, tasteless and odorless gases found above the earth's surface.

The earth's atmosphere is composed of gases, suspended dust particles and condensed moisture droplets which are collectively known as **aerosols.** It extends outwards several thousand kilometers. The gases are different in their volume.

Nitrogen and oxygen are major gases of the earth's atmosphere while argon and carbon dioxide are minor gases. The remaining gases are often referred to as **trace gases.**



Gas	Percentage by Volume
Nitrogen (N_2)	78.084
Oxygen (O_2)	20.946
Argon (Ar)	0.934
Carbon dioxide (CO_2)	0.037
Neon (Ne)	0.00182
Helium (He)	0.00052
Methane (CH_4)	0.00015
Krypton (Kr)	0.00011

Figure 1. 8 Composition of the Atmosphere

Nitrogen is the most abundant gas in the earth's atmosphere. It makes up 78 percent of the Earth's atmosphere. It enters the atmosphere when volcanoes erupt and when dead plants and animals decay. Oxygen, the second most abundant gas in Earth's atmosphere, is primarily produced by plants. Among gases of the earth's atmosphere, oxygen is the most important for living things to exist on planet earth.

1.2.2 Structure of the Earth's Atmosphere

The earth's atmosphere is divided into four layers based on temperature variation. The four layers of the earth's atmosphere are: troposphere, stratosphere, mesosphere and thermosphere.

Troposphere: it is the lower portion of the atmosphere. It extends from sea level to 8/16 km. It contains three-fourth of the atmospheric mass. All kinds of weather changes take place only in this layer. It has uniform temperature that decreases when ever there is an increase of altitude. The top boundary is known as the tropopause, which is characterized by jet streams (high velocity winds).

Stratosphere: it extends from the tropopause up to about 50 km. Here, temperature is nearly constant upward to about 20 km. Then after, it increases owing to absorption of ultraviolet radiation by ozone. It has high concentration of ozone gases. Its upper limit is called the stratopause.

Mesosphere: it extends up from the stratopause to about 80/85 km. In the lower mesosphere, temperature changes slowly with an increase in altitude. However, it decreases to nearly –100ºC at the top of the mesosphere. It is the coldest part of the atmosphere. Its upper surface is known as the mesopause. Also, it is the layer of the strongest winds whose velocity is nearly 300 km/hour. Most meteorites burn and disintegrate because of friction in this layer.

Thermosphere: it is the upper most layer of the atmosphere. This layer is of extremely low density. It is characterized by a direct relationship between temperature and altitude. Temperatures get up to 725°C - 1,225°C. The extreme outer fringe is believed to extend as far as 1000 km above the surface of the earth. Gradually, it is taken over by vacuum and very little heat can be absorbed, held or conducted. Thermosphere can be further subdivided into ionosphere and exosphere.

i. **Ionosphere** it extends from roughly 80 km to somewhere around 500 to 700 km above the earth's surface. It is a layer of electrically charged particles. These electrons and ions are useful for communication because they reflect radio waves.

ii. **Exosphere:** it is the outermost fringe of the atmosphere. It lies beyond about 500-700 km and is characterized by increasing hydrogen and helium content.

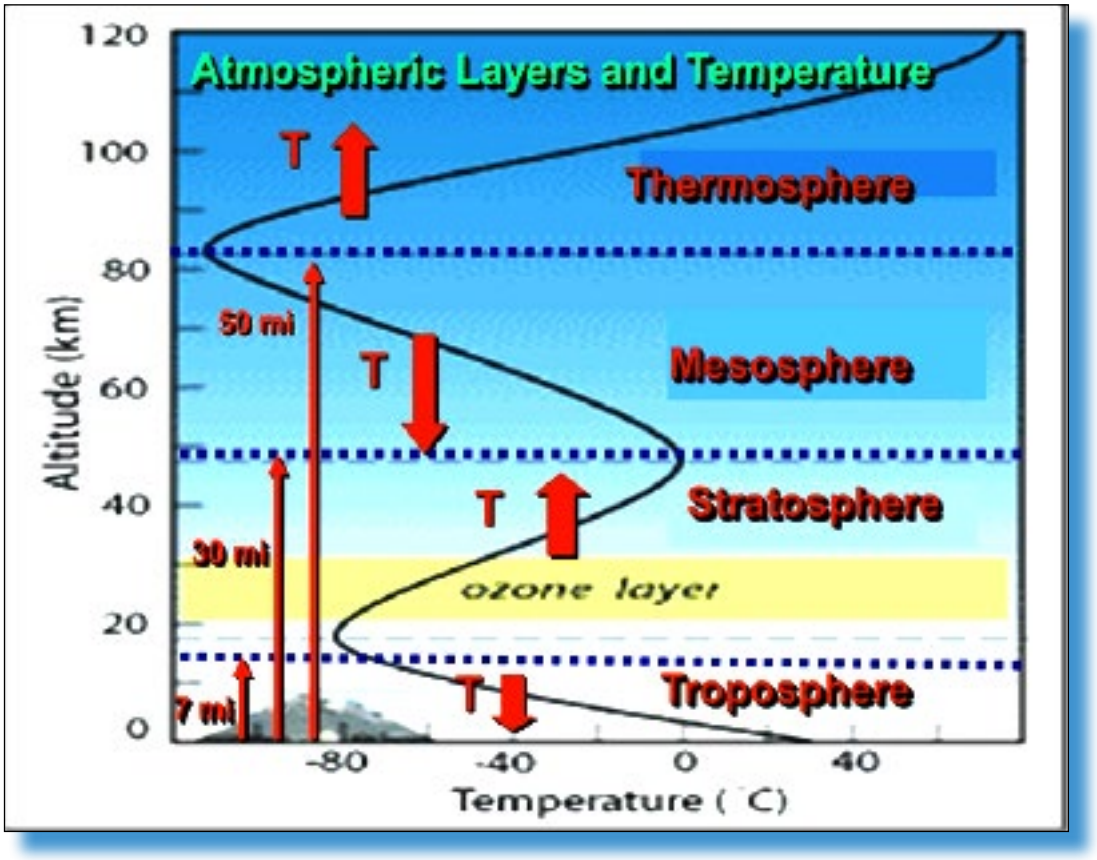


Figure 1.9 Structure of the atmosphere

Activity 1.2

A. **Questions based on facts**

1. What are the components of the atmosphere?
2. What are the major gases of the atmosphere?
3. Which layer of the atmosphere contains ozone? What use does it have?
4. Which layer of the atmosphere is the coldest?
5. Put the atmospheric layers in ascending order from the lower to the upper.
6. Explain the main characteristics of the layers of the atmosphere.

1.3. Elements and Controls of Weather and Climate

Competencies: After studying this lesson, learners will be able to:

- Distinguish the difference between weather and climate;
- Outline climatic controls and climatic elements;
- Compare and contrast variations of rainfall and temperature between different locations such as highlands and lowlands agro-climatic zones of their locality;
- Collect, summarize and present diurnal and seasonal variation of weather data in their locality;
- Draw climatic graphs.

These are the words you should try to learn for this lesson

Top ten words

- Convection
- Sublimation
- Conduction
- Evapotranspiration
- Lapse rate
- Diurnal range
- Deposition
- Precipitation
- Radiation
- Conduction

More key words

- Air pressure
- Insolation
- Hydrological cycle
- Equinox
- Ocean current
- Rainfall
- Weather
- Wind

1.3.1 Definition of Weather and Climate

Start-up question

Are weather and climate the same?

Weather is the condition of the atmosphere over a short period of time. Weather includes daily changes in **precipitation, air pressure, temperature, wind,** etc. **Climate** is the average of all weather conditions of an area over a long period of time. These conditions include **average temperature, air pressure, humidity,** and **days of sunshine for a period of 30 years**. Climate tells us what it is usually like in the place where we live. Climate refers to what is expected to happen in the atmosphere rather than the actual conditions. It is possible for the weather to be different from that suggested by the climate.

1.3.2. Elements of Weather and Climate

The major elements of weather and climate are **temperature, rainfall, winds, air pressure, clouds, sunshine, humidity** etc.

I. Temperature

Start-up question

What is temperature?

Temperature is the amount of hotness or coldness of an object. The sun is the primary heat source for the earth and its atmosphere. The sun's energy is called **insolation** or **solar radiation**, and this turns into heat energy at the earth's surface.

Start-up question

How is energy transferred in the atmosphere?

Not all the energy that originates from the sun reaches the earth's surface. Heat transfer takes place in three ways. These are: radiation, conduction and convection.

Radiation is the transfer of energy from one body to another by means of electromagnetic waves. The sun warms the earth through radiation of electromagnetic waves.

Conduction refers to the transfer of heat through molecular contacts within and between bodies. The process of conduction is more important in solids. Air and water are poor conductors of heat.

Convection is the transfer of heat due to differences in density. Convection is the method by which heat moves through gases or liquids.

II. Rainfall

Start-up question

What is rainfall?

Rainfall is liquid precipitation. Any moisture that falls from the clouds towards the earth's surface is called precipitation. Precipitation is part of the water or hydrological cycle. The process of hydrological cycle is powered by solar energy and is repeated continuously.

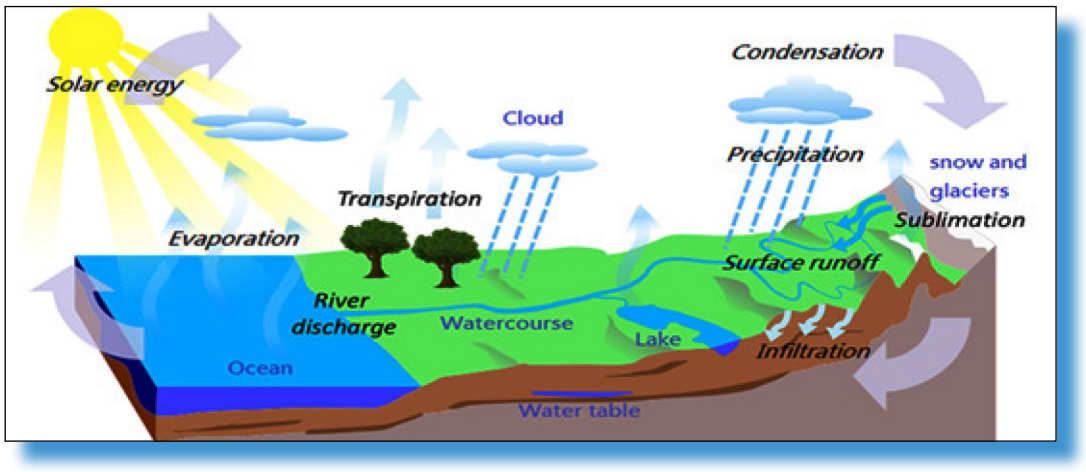


Figure 1.10 The hydrological cycle

Evaporation: is the process by which liquid water is converted into gases.

Transpiration: is the transfer and change of water from plants to water vapour in the air.

Evapotranspiration: is the combined loss of water through the process of evaporation and transpiration.

Condensation: is the process by which vapour becomes liquid.

Sublimation: is the process in which ice changes directly into water vapour.

Deposition: is the process in which water vapour changes directly into ice.

Types of rainfall

There are three main types of rainfall which occur very frequently in the world and depend on a variety of factors. Here are the three main types of rainfall:

i. **Relief /Orographic/ Rainfall:** occurs when moist air is forced to rise over mountains. As it rises, it cools, then condenses and falls as rain.

ii. **Convectional Rainfall:** occurs when the energy of the sun heats the surface of the Earth, by causing water to evaporate to form water vapour. It is common in humid areas where temperature is high throughout the year.

iii. **Frontal/Cyclonic/ Rainfall:** occurs when two air masses (warm and cold) meet together. It is common in the middle and high latitudes.

III. Air Pressure

Start-up question

What is air pressure?

Atmospheric or air pressure is the weight exerted by air on a unit of area of the Earth's surface. Air pressure is measured with barometers. Air pressure is 1,013 millibar at sea level, which translates into 760 millimeters, however, air pressure is not uniform across the planet. Pressure decreases with an increase of altitude. Pressure also decreases with an increase in temperature.

IV. Wind

Start-up question

What is wind?

The horizontal movement of air is called wind. Winds have **speed** and **direction**. Winds blow from high pressure areas to low pressure areas. The speed of wind is measured with **anemometer**. Winds are named according to the compass direction of their source. For example, a southerly wind comes from the south and blows to the north. Wind direction is measured by an instrument called **wind vane.**

1.3.3 Controls of Weather and Climate

Controls of weather and climate are factors that affect elements of weather and climate. They make the distribution of the elements of weather and climate over the earth's surface uneven. The major controls of weather and climate include:

- Latitude
- Altitude
- Distance from the sea
- Cloud cover
- Ocean current
- Wind
- Air pressure

A. Latitude

Start-up questions

What is latitude?

What is the effect of latitude on temperature?

On a global scale, latitude is the most important factor that determins the strength of heat reaching the earth's surface. Latitude indicates the distance places have from the equator. A place's latitudinal location affects the amount of incoming solar radiation the place receives, and thereby its temperature.

At the equator, the overhead sun is high and high intensity insolation is received. At the

poles, the sun's rays are slanting (oblique), so the amount of insolation is low. The sun is overhead in tropical areas in the zone between the Tropic of Cancer and the Tropic of Capricorn. The sun is never overhead outside of the tropics. The sun is directly overhead at the Tropic of Cancer on June 21 (the June solstice) and at the Tropic of Capricorn on December 21 (the December solstice). At March and September equinoxes, the sun is directly overhead at the equator.

Focus

Equinox is the moment at which the center of the visible sun is directly above the equator. This occurs on March 21 and September 23.

Solstice is either of the two times a year when the sun is at its greatest distance from the celestial equator.

B. Altitude

Start-up question

How altitude affects temperature?

Air temperature decreases with increasing altitude. The normal decrease of temperature with height is 6.4^{o}C per 1000 m. This is known as the **normal lapse rate**. The normal lapse rate is the average rate or proportion at which temperature changes per unit of altitudinal change. The highland areas of Ethiopia are good examples of places that demonstrate the effect of altitude on temperature.

C. Distance from the Sea

Start-up question

How distance from the sea affects temperature?

~~Land warms up and cools down more quickly than the sea. This is because of the transparency of water reflections from water surfaces, evaporation, mixing and~~

~~currents in water. All these conditions result in greater and more rapid temperature changes on land than in the seas.~~

Cloud cover

Start-up question

How cloud affects temperature?

Cloud reduces the amount of solar radiation that reaches the earth's surface and the amount of radiation reflected from the earth's surface. When there are no clouds, both types of radiation will be at a maximum level.

E. Ocean Current

Start-up questions

What is ocean current?

What are the two types of oceancurrent?

Ocean current is the horizontal movement of ocean waters which are caused by winds and differences in temperature. It influences the climate of coastal areas. There are two types of ocean current: **cold** or **warm**. Cold ocean currents have cool temperatures and low moisture content, whereas warm ocean currents have high temperatures and high moisture content



Figure 1.11 Ocean currents of the world

1.3.4 Diurnal and Seasonal Variation of Weather

The temperature of the air changes from time to time. We use words like average and range to indicate the variations.

Daily (diurnal) range of temperature: is the difference between the maximum and minimum temperatures in a day.

Daily average (mean) temperature: is obtained by adding the maximum and minimum temperatures of a day and dividing the sum by two.

Monthly average (mean) temperature: is calculated by adding all daily averages and dividing the sum by the number of days of the month.

Annual march (range) of temperature: is the difference between the temperatures of the hottest and coldest months in a year.

Annual average (mean) temperature: is obtained by adding the average monthly temperatures and dividing the sum by 12.

Variation of Temperature and Rainfall in Ethiopia

Diurnal and Seasonal Variation of Temperature

During the winter season of the northern hemisphere, Ethiopia experiences the 'Bega' season. During this season, days have clear skies. Thus, the incoming solar rays are intense. As a result, temperature increases in the day time. On the other hand, temperature decreases at night because of clear sky. This, therefore, results in high diurnal range of temperature.

Every part of Ethiopia experiences vertical rays of the sun twice in a year. The first is between April and June and the second is between June and September. However, the apparent movement of the sun brings about less significant difference between the length of the day and night. As a result, there is a regular receipt of solar radiation throughout the year. Therefore, there is low annual range of temperature.

Seasonal Variation of Rainfall

During the summer season of the northern hemisphere, Ethiopia experiences the rainy season. Most highlands of Ethiopia receive the summer rains. The lowlands of Ethiopia do not get the summer rains.

In the autumn and spring seasons of the northern hemisphere, 'little rains' are experienced in Ethiopia. The southern and southeastern lowlands enjoy these rains. The central parts and eastern escarpments of the north-western highlands get the spring and summer rains. Though unreliable, the north-eastern fringes of Ethiopia get winter rains. The western part of Ethiopia experiences all year rainfall.

Ethiopia's Agro-climatic Zones

Start-up question

What means by agro-climatic zone?

Agro-climatic zone is defined as a land unit represented in terms of major climate and growing period which is climatically suitable for certain range of crops. Based on altitude-temperature relationship, there are five traditional agro-climatic zones in Ethiopia. These include Bereha, Kola, Woina Dega, Dega and Wurch.

Table 1.1: Ethiopia's agro-climatic zones

Altitude (in meters)	Mean annual temperature (in °C)	Name of the agro-climatic zone	
		Local	Global
3,300 and above	<10	Wurch/Kur	Alpine
2,300–3,300	10 –15	Dega	Temperate
1,500–2,300	15 –20	Woina Dega	Sub-tropical
500–1,500	20 –30	Qolla	Tropical
Below 500	>30	Bereha	Desert

The Bereha zone is a lowland area which has the hottest temperature. Kola is largely lowland area with warm to hot semi-arid climate. Woina-Dega is a midland with moderate climate. The Dega zone is highland area with low temperature. The Wurch zone is the coldest and has the highest altitude.

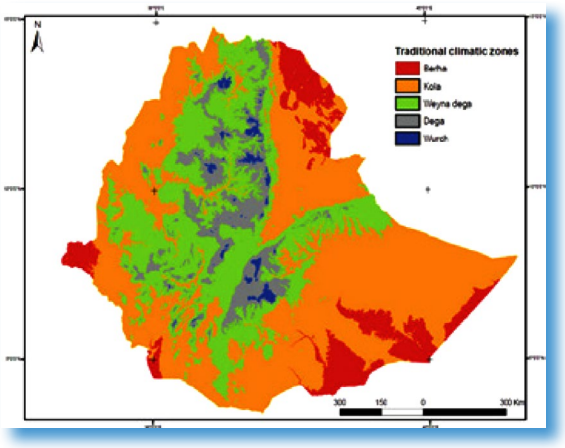


Figure 1.12 Agro-climatic zones of Ethiopia

Activity 1.3

A. Questions based on facts:

1. Define the following terms:
   a. Weather
   b. Climate
   c. Sublimation
   d. Radiation
   e. Air pressure
2. What are the major elements of weather and climate?
3. Describe the major controls of weather and climate.

B. Individual work:

Table 1.2: Climatic data for a hypothetical station

Month	**J**	**F**	**M**	**A**	**M**	**J**	**J**	**A**	**S**	**O**	**N**	**D**
Temp (°C)	13	17	20	25	26	27	27	25	23	20	18	16
R.F(mm)	11	26	55	84	116	160	243	285	137	61	14	8

By referring to Table 1.2,

1. Calculate the annual range of temperature of the station.
2. Calculate the mean annual temperature of the station.
3. Calculate the total annual amount of rainfall of the station.
4. Draw line graph showing the temperature and bar graph showing the rainfall.

C. Things to do:

Draw a sketch map that shows the five agro-climatic zones of Ethiopia.

Summary

- Internal forces are forces that come from the inside of the earth. These forces include folding, faulting, volcanism and earthquakes.
- Folding and faulting are processes that create landforms when a force inside the earth causes rock in the crust to bend (folding) and break (faulting).
- Volcanism is the process by which molten rock (magma) is forced out to the surface of the earth. Volcanic activities may result in different extrusive and intrusive landforms.
- Earthquakes are sudden movements in the earth's crust. They are caused by internal movements deep down inside the earth. Earthquakes are frequently associated with faults.
- External forces are the forces that act upon the earth's surface from the outside.
- Erosion is the movement of broken rock and soil particles from one place to another by running water, wind, moving ice or sea waves.
- The earth's atmosphere is composed of gases, dust particles and moisture droplets which are collectively known as aerosols.
- The earth's atmosphere is divided into four layers based on temperature variation. They are troposphere, stratosphere, mesosphere and thermosphere.
- Weather is the condition of the atmosphere over a short period of time. Climate is the average of all weather conditions of an area over a long period of time.
- The major elements of weather and climate are temperature, rainfall, winds, air pressure, clouds, sunshine, humidity, etc.
- The major controls of weather and climate include: latitude, altitude, wind, ocean current, distance from the sea, air pressure, cloud cover, etc. These controls result in diurnal and seasonal variation of weather.
- Agro-climatic zone is defined as a land unit represented in terms of major climate and growing period. Based on altitude-temperature relationship, there are five traditional agro-climatic zones in Ethiopia.

Glossary

Aerosols: are liquid or solid particles suspended in air.

Caldera: a basin-shaped volcanic depression; such large depressions are typically formed by the subsidence of volcanoes.

Crater: a steep-sided, usually circular depression formed by either explosion or collapse at a volcanic vent.

Deposition: a process in which layers of a substance form gradually over a period of time.

Earthquake: sudden, strong shaking of the earth's surface, which is caused by movement of the rocks in the earth's crust.

Epicenter: a point on the earth's surface directly above the focus of an earthquake.

Equinox is the moment at which the center of the visible sun is directly above the equator.

Fissures: elongated fractures or cracks on the slopes of a volcano.

Focus: the point below the earth's surface along which initial earthquake tremors occur.

Folding: the bending of rock layers subjected to tectonic stresses.

Insolation: light and heat from the sun.

Lapse rate: the rate at which air temperature changes with altitude.

Lava: magma which reaches the surface through a volcanic eruption.

Magma: molten rock beneath the surface of the earth.

Mesosphere: layer of the atmosphere that lies above the stratosphere.

Rift valley: a deep, linear, steep sided trough produced by sinking of land between two faults.

Volcanism: process which involve the transfer of molten rock material either from one subsurface location to another, or its explosion onto the surface.

UNIT 1 REVIEW QUUESTIONS

I. True or False Item

Instruction: Write True if the statement is correct and False if it is wrong.

_____1. The East African Rift valley is the largest valley in the world.
_____2. The highlands of Ethiopia receive reliable winter rains.
_____3. Land absorbs and loses heat more quickly than water.
_____4. Cold ocean currents make coastal lands drier and cooler.
_____5. Fold Mountains are formed from metamorphic rocks.

Matching Item

Instruction: Match the features under column 'B' with their descriptions under 'A'

	A	B
_____1.	A sand hill that has a crescent-moon shape	A. Rift valley
_____2.	Piles of loose rock fragments	B. Barchan
_____3.	Magma which has reached the earth's surface	C. Screes
_____4.	A depression between two parallel faults	D. Lava
_____5.	Elongated cracks on the slopes of a volcano	E. Fissure

II. Multiple choice Item

Instruction: Choose the best answer from the given alternatives.

_____1. Which of the following is the effect of earthquake?

A. The rise or fall of the sea floor
B. Diversification of plant species
C. Shortening days and nights
D. Surplus food production

_____2. Which fold mountain is found in South Africa?

A. Himalayas B. Atlas C. Alps D. Cape Ranges

_____3. The bending of the land surface due to internal forces is called_____

A. faulting B. folding C. volcanism D. earthquakes

_____4. Which of the following is an internal force that changes the earth's surface?

A. weathering B. earthquake C. erosion D. denudation

_____5. The emission of molten rock to the earth's surface is caused by:

A. faulting B. folding C. landslide D. volcanism

_____6. A very large mass of magma which accumulates in the crust is known as:

A. batholith B. laccolith C. dyke D. sill

_____ 7. Which type of force forms rift valley?

A. folding B. faulting C. erosion D. volcanism

_____ 8. The point at which an earthquake originates is known as:

A. epicenter B. vent C. fissure D. focus

_____9. By volume, the major gas of the atmosphere is known as

A. oxygen B. nitrogen C. argon D. helium

_____10. The largest rift valley in the world extends from _____ to _____.

A. Syria, Mozambique C. Jordan, Tanzania
B. Israel, Angola D. Bahrain, Zambia

III. **Fill in the Blank Item**

Instruction: Fill in each of the blank spaces with appropriate words.

1. An upward and convex fold is called _____, while a downward fold is called _____.
2. The difference between the highest and lowest temperatures in a day is known as _____.

Check List

Put a tick (√) mark in each of the boxes for activities you can perform.

I can

1. Describe internal and external forces shaping the surface of the earth. ☐
2. Identify land forms created by external and internal forces. ☐
3. Explain how the earth's internal and external forces affect human life. ☐
4. Describe the different layers of the earth's atmosphere and their characteristics. ☐
5. Distinguish the difference between weather and climate. ☐
6. Outline climatic controls and climatic elements. ☐
7. Compare and contrast variations of rainfall and temperature be tween different locations such as highlands and lowlands agro-climatic zones of their locality. ☐
8. Collect, summarize and present diurnal and seasonal variation of weather data in their locality. ☐
9. Draw climatic graphs. ☐

UNIT 2

PEOPLE AND SOCIO-ECONOMIC ACTIVITIES

Learning Outcomes

At the end of this unit, learners will able to:

- Explain how peoples' culture develop and change through time.
- Discuss the impacts of population movement on human settlement and economic activities.
- Explain the concept of trade and increasing global interdependence.
- Analyze the condition of consumers' right and supply problem using their local examples.
- Describe the benefits of government revenue and tax.

Main contents

2.1 Cultural diversity and changes

2.2. Major Economic Activities

2.3 Trade and market as the current national and local concern

2.4 Government revenue and tax

- *Unit Summary*
- *Review Questions*

2.1. Cultural Diversity and Changes

Competencies: After studying this lesson, you will be able to:

- Explain the processes that lead to the development of culture.

These are the words you should try to learn for this lesson

Top four terms

- **Culture**
- **Material culture**
- **Non-material culture**
- **Artifacts**

2.1.1 The Development of human culture

Startup questions

What is culture?
What are the processes that lead to the development of culture?

Culture is defined as the symbols, language, religion, beliefs, norms, values, and artifacts that are part of any society. Cultural processes include all procedures through which people transform the world as it is into a world of their own. This includes all group specific norms and rules, values and ideas, information and knowledge in the process of communication. The development of culture has already been underway for thousands of years and will continue in the future. Societies began to form particular cultures, ideas, customs, and social behaviors that make one society distinct from another.

Culture is developed from changes in socially transmitted beliefs, knowledge, customs, skills, attitudes and languages. Culture is affecting people's behavior that they acquire from other members of the society through teaching, imitation and other forms of social transmission.

Cultural components can be classified as material and non material culture. This classification is expressed as follows:-

1. **Material culture** includes tools and technology, houses, factories, raw materials, clothing, eating utensils, and means of transportation. ~~Example, rock hewn churches of Lalibela, obelisks of Axum~~
2. **Non-material culture** also known as symbolic culture. It includes the values, beliefs, symbols, and language that are used to define a society. ~~Example :- traditional dances, songs, rituals , folks, etc~~

2.1.2. Major Cultural elements Language, Religion and the Human race

Competencies: after studying this lesson, you will be able to:

- Discusses language, religion and human race as a cultural elements
- Elaborate the cultural diversity of people in terms of language , religion and human races

These are the words you should try to learn for this lesson

Top five terms

- Cultural identity
- Language
- Multiculturalism
- Human Race
- Religion

Cultural Diversity

Startup question

What is cultural diversity?

Cultural diversity is also known as multiculturalism. This refers to a group of diverse individuals from different cultures or societies. Usually, cultural diversity can be expressed in terms of nationality, language, religion, race, ~~health difference, sexual orientation,~~

gender, age, disability and ethnicity. This diversity consists of all the different factors that fulfill an individual, including age, gender, culture, religion, personality, social status and sexual orientation. Society benefits and shares various values from cultural diversity through the harmonious coexistence of different cultures.

Ethiopia is the home of peoples that have cultural diversities who are living together in the same community. In this diversified cultural environment, its people retain, pass down, celebrate, and share their unique cultural ways of life, which are languages, art, traditions, and behaviors.

Ethiopia is a country with multi-cultural and multi-ethnic country. Ethiopians share a deep pride in the country's legacy and defend the sovereignty of their country. The country has its own unique culture that defines beauty with a variety of cultures.

Religion is one element of culture that influences the life of Ethiopians. Its population is followers of Christianity, Islam, and other religions.

The country uses its own calendar. Ethiopia was the birth place of coffee. Coffee is a national drink and its drinking takes place together with neighbors. The people are well known for being welcoming, considerate and cooperative. Amharic language serves as the government's official language and the majority of the people speak the language.

Ethiopians have many good things in common. For example, hospitality, respecting elders, standing together for the sovereignty of their country, tolerance, patriotism and celebrating cultures together. On the other hand, there are differences in religion, language, race, marriage ceremonies, funeral ceremonies, way of dancing, dressing style and greeting style. Some of these elements are discussed below.

1. Language

Startup questions

What are major cultural elements?

What is language?

Why we use language?

Language is defined as a system of communication which ~~consists of a set of sounds and written symbols which are used by the people of a particular country or region for the purpose of talking or writing.~~

~~Language~~ involves the use of speech, written characters, numerous symbols and gestures of non-verbal communication. Language helps us to share our ideas, thoughts, and feelings with others.

Multilingual features of the Ethiopian people

Most of the languages that are spoken in Ethiopia belong to Afro-asiatic language family. The Ethiopian languages are divided into four major language groups. These are Semitic, Cushitic, Omotic, and Nilo-Saharan. Let us see the four major language families:

Semitic languages: are spoken in northern, central and eastern Ethiopia (mainly in Tigray, Amhara, Harar and northern part of the Southern Peoples regions).

The Semitic languages include Amharic, Ge'ez, Guragigna,Tigrigna and others.

Cushitic languages are mostly spoken in central, southern and eastern Ethiopia (mainly in Afar, Oromia and Somali regions). The Cushitic languages include Afarigna, Agewigna, Afan Oromo, Sidamigna, Somaligna and others.

Omotic languages are predominantly spoken between the Lakes of southern Rift Valley and the Omo River. For instance, Basketto, Gamo-Gofa, Welaytta and others.

Nilo-Saharan languages are largely spoken in the western part of the country (mainly in Gambella and Benshangul regions). Example: Agnuak, Berta, Gumuz and others.

2. Religion

Startup question

What is religion?

Religion is defined as a set of organized beliefs, practices, and systems that are related to the belief and worship of God or another super-natural being. It includes cultural beliefs, worldviews, holy books, prophecies, revelations, and morals that have spiritual meaning to members of the particular faith. Religion gives a source of comfort and guidance, basis for moral beliefs and behaviors, provides a sense of community and connection to tradition and health.

Importance of religion

a. **Cultural Identity:** Religion plays a crucial role for a person in giving a cultural identity. Each religion has cultural ceremonies, traditions, which are part of the tangible and intangible heritages.
b. **Values and Ethics:** Religion helps in creating an ethical people and keeps the values of the society in day to day life. This helps in character building values of a person like love, empathy, respect, harmony and acts as to strengthen socialization.

3. Human race

Human race is defined as a category of people that is socially constructed, shares certain distinctive physical characteristics such as skin color, facial features, and stature. ~~Race refers to physical differences that groups and cultures consider socially significant.~~

Factors for cultural change

i. **Globalization**:-it brings the growth of interconnectedness among different people and cultures. This lead to cultural change.
ii. **Environment:** the way of using natural resources in the community threatens the

cultural identities of indigenous people**.**

iii. Technology: the advancement of technology leads to cultural change. For example, the invention of cars, computers, internet, etc.

iv. Contact with other cultures: the contacts between one society with another society result in sharing of culture. This leads to cultural change.

2.1.3 Globalization and dynamics of social and cultural values.

Competencies: after studying this lesson, you will be able to:

- ► Debate in the classroom on the effect of globalization as an agent cultural change.
- ► Respect humanity and indigenous knowledge.

These are the words you should try to learn for this lesson

Top five terms

- Cultural imperialism
- Cultural invasion
- ~~Satellite TV~~
- Technology
- Indigenous culture

Globalization

Startup questions

What do you understand by the word globalization?
Identify the opportunities and challenges of globalization.

Globalization refers to the increasing of interconnections among individuals across nations and their people. It refers to a remarkable exchange and sharing of information, culture, economic resources and technology which leads to strong interdependence among peoples of different nations of the world.

The cultural dimension of globalization is seen in the presence of western entertainment and mass media. The influence of mass media especially entertainment channels leads to loss of local identities. Currently globalization is leading to cultural imperialism.

In Ethiopia, currently domestic cultures are dominated by a host of additional cultural forms from abroad which are leading people with a confusing way of lifestyle options from which to choose. Different western based satellites Television (TV) programs which deliver most part of western cultural and entertainment products could negatively affect indigenous cultures of Ethiopia.

Nowadays, individuals and groups are trying to annex their cultures with new global practices based on what they have seen from mass media worldwide. As a result, Ethiopian cultures and values are highly changing over time and becoming more dependent on western cultures. Over the years the youth have tried to be fashionable and exhibited clothing which is influenced to a large extent by foreign fashion in the wake of globalization. The extent of this influence affects the youth and the local fashion industry negatively.

In addition, the youth have left the Ethiopian clothing style and they have been accustomed to western fashion trends. The European and the American influences have become so widespread and so invasive across almost every aspect such as; from education, religion, politics, social change and fashion with no exception. The youth should be proud of their cultures.

Focus

Cultural imperialism is the practice of promoting and imposing a culture of a politically powerful nation over a less powerful society and alienating people from their indigenous culture.

~~Lesson 2.1 Review~~

Activity 2.1

A. Questions Based on Facts

1. Define the following terms

a. Culture
b. Language
c. Material culture d
. Religion
e. Non material culture
f. Human race

2. What is cultural diversity?
3. Explain the process of cultural development.

B. Group discussion

How the youth mitigate the effect of globalization on cultural change? Discuss in your groups and present your findings to your classmate.

2.2 Major Economic Activities

Competencies: After studying this lesson, learners will be able to:

- ► Explain the different types of economic activities;
- ► Relate different economic activities with countries levels of development;
- ► Compare and contrast agriculture of the developed and developing countries;

These are the words you should try to learn for this lesson

Top five words

- **Forestry**
- **Manufacturing**
- **Tourism**
- **Industry**
- **Mining**

More key words

- **Agriculture**
- **Fishery**
- **Communication**
- **Arable farming**
- **Pastoral farming**
- **Transportation**

2.2.1 Primary Economic Activities

Primary economic activities focus directly on the extraction of resources from the environment. They involve the production of food stuffs and raw materials. The main types of primary activities include:

- **Agriculture**
- **Fishing**
- **Forestry**
- **Mining**

Let us look at the major primary economic activities of the world as follows.

I. Agriculture

Startup questions

What is agriculture?

Why is agriculture an important primary economic activity?

Agriculture is the science and art of cultivation of the soil and the rearing of livestock for either local consumption or commercial purposes. It is one of the most important

activities of human beings, because it provides them with the most basic necessity. It provides foodstuffs for the population and raw materials for industries. Agriculture forms the basic livelihood for the majority of the Ethiopian people. Agricultural activities are broadly grouped into two. These are: crop production (arable farming) and animal husbandry (pastoral farming).

II. Forestry

Startup question

What is forestry?

Forestry is one of the primary economic activities. It involves the extraction of forest products for different purposes ~~by people.~~ Forestry is practiced in plantations and natural stands.

Forestry is important in the provision of timber, fuel wood, biodiversity management, wildlife habitat, natural water quality management and recreation. It also plays a significant role in preserving forests as "sinks" for atmospheric carbon dioxide.

III. Fishery

Startup question

What is fishing?

Fishing is a primary economic activity concerned with the catching and harvesting of fish and other marine creatures. It is one of the oldest occupations of humankind. Ethiopia has a number of lakes, reservoirs and rivers which are rich in fish resources. However, fishing as an activity is not well developed.

IV. Mining

Startup question

What is mining?

Mining is the process of obtaining useful minerals from the earth's crust. It is closely linked to manufacturing which is a secondary type of activity. Some examples of substances that are mined include: coal, gold, or iron ore. Mining provides different types of minerals for construction; for ~~instance~~ jewelry making, and raw materials for industries.

2.2.2 Secondary Economic Activities

Startup questions

What is secondary economic activity?

What is manufacturing?

Is there any difference between manufacturing and industry?

Secondary economic activities pertain to adding value to already existing products by changing their form via processing, etc. It includes manufacturing, construction and power production. Manufacturing uses machines, tools and labor to make things for use or sale. The term may refer to a range of human activities, from handicraft to the use of high technology. However, it is most commonly applied to the creation of industrial products in which raw materials are transformed into finished goods on a large scale.

Focus

Manufacturing is the activity which turns raw materials into products by using labor, energy and equipment.

But, industry refers to the place where manufacturing takes place. Manufacturing activities take place in factories. It is the activity of making articles.

2.2.3 Tertiary Economic Activities

Startup question

What is a tertiary economic activity?

Tertiary economic activities are helpful for the development of the primary and secondary sectors. These activities, by themselves, do not produce goods, but they are an aid or a support for the production process. So, they are also known as support services. Transport, communication, trade, tourism, health, education and administration are important examples of tertiary activities. Let us briefly look at the following sectors:-

I. Transportation

Startup questions

What is transportation?

What are the major modes of transport?

Transportation is the movement of goods or people from one location to another. Nowadays, the types and quality of transportation have made much progress. This has enabled people to travel longer distances in shorter times than ever before. In addition, the flow of ideas, beliefs and innovations has become faster and wider.

The rapid progress in transportation and other forms of communications have made places all over the earth functionally closer to each other. The major modes of transportation include: land transport, water transport and air transport.

A. **Land transport:** it includes road and railway transport.

i. **Road transport**

Road is the most common mode of transportation. It is relatively cheap to construct and maintain. Motor vehicles can climb quite steep hills and turn around sharp curves.

Transportation by motor vehicles is easily available. Carts and trucks are much cheaper to buy than locomotives and ships.

ii. Railway transport

Railway is an important means of transportation on land since the carrying capacity is very high. Railways can carry bulky products, such as iron-ore, coal, petroleum and steel overland. The major problems of railway transport are:- that it cannot easily cross mountainous terrain and it also requires huge capital.

B. Water transport

Water transport is cheap and convenient for transporting bulky goods over long distances. It does not require heavy construction like roads and railway lines. Ships are made to transport people, goods and petroleum.

C. Air transport

Air transport is the latest and fastest mode of transport. Valuable and low weight goods are carried by air transport. It is very little affected by ground conditions. It is the most expensive type of transport.

II. Communication

Startup question

What is communication?

Communication is the sharing of information between different individuals. It includes the sharing of ideas, concepts, imaginations, behaviours and written content. Communication is simply defined as the transfer of information from one place to another. This transfer of information can be conducted in different ways. The major channels of communication include: mail, telephone, radio, television, fax, e-mail and internet.

III. Tourism

Startup question

What is tourism?

Tourism is the movement of the people from their normal place of residence to another place for leisure, business and other purposes.

Tourism is a source of both job opportunities and income. It is known as a 'smokeless industry'. The main tourist attractions include natural and human-made features. Some of the reasons for tourism are: site-seeing, conferences, sport activities, health purposes, research and religious ceremonies.

2.2.4 The Effect of Different Economic Activities on Countries Economic Development

Economic basis of developed and developing countries

The developed countries have a large share of the manufacturing industries. ~~Nowadays, wages in these areas are getting very high. To overcome this problem, they tend to produce more sophisticated products which depend on high technology. Whereas, in the developing countries, wages are lower, and therefore, they often produce simple goods for lower market prices.~~

In the industrialized countries, a large number of people are employed in secondary (manufacturing) activities and only a few workers in primary activities. On the other hand, in developing countries, the great majority of people still work in the agriculture sector because governments cannot invest more on secondary activities. Developing economies are basically agrarian in their character.

In developing countries, the number of people engaged in agricultural sector is many but the production is little. Since developed countries are practicing modern methods, they can produce large amount using few number of manpower. That means people engaged in agricultural sector are very few, but production is in surplus.

The share of agriculture in both employment and output is tiny in the developed countries. However, its share in output and employment in developing countries is quite substantial. In many developing countries, agriculture accounts for more than a quarter of their national output.

Activity 2.2

A. Questions based on facts

1.Define the following terms:

a.Agriculture c. Manufacturing e. Communication

b.Forestry d.Transportation f. Tourism

2.Describe the main types of primary activities.

3.What is the difference between manufacturing and industry?

4.Compare and contrast agriculture in developed and developing countries.

5.Explain the three major types of economic activities.

B. Group work

1.Visit your locality and identify the economic activities that people are engaged. Then, present your findings to the class and invite the class for further discussion.

2.3 Trade, Market and Government Revenue as the Current National and Local Concern

Competencies: After studying this lesson, learners will be able to:

- Describe the various flow patterns of goods, services and information;
- Analyze the contribution of trade to the Ethiopian economy
- Explain the major types of trade;
- Evaluate the contribution of different economic sectors to Ethiopian export trade;
- Explain that the interaction of supply and demand determines price;
- Use graphs to show the market equilibrium point;
- Explain what conditions must exist for "perfect competition" to occur;
- Discuss the trade-off between consumer right and market supply;

These are the words you should try to learn for this lesson

Top ten words

- **Competitive market**
- **Consumers**
- **Demand**
- **Producers**
- **Entrepot trade**
- **Market equilibrium**
- **Retail trade**
- **Supply**

More key words

- **Export trade**
- **External trade**
- **Internal trade**
- **Market**
- **Import trade**
- **Wholesale trade**

The concept and historical development of trade and market

Trade

Startup question

What is trade?

Trade is the process of buying, selling, or exchanging of commodities. The earliest form of trade was bartering, which is the exchange of one article for another of equal value. The emergence of trade is related to the unequal distribution of resources that are essential to satisfy human needs.

Modern traders generally negotiate through a medium of exchange, such as money. As a result, **buying** can be separated from **selling**, or earning. The invention of money (and letter of credit, paper money and non-physical money) greatly simplified and promoted trade.

Market

Startup question

What is a market?

A market is a place where buyers and sellers can get togather to facilitate the exchange of goods and services. The market may be physical like a retail outlet, where people meet face-to-face, or virtual like an online market, where there is no direct physical contact between buyers and sellers.

Key benefits of trade

Trade is critical to a nation's prosperity. Some of its benefits are described below:

- Bigger variety of products for the local population
- Higher level of competition with decreasing prices
- High level of technological progress and efficiency
- Low production costs
- Specialization and division of labor
- Interdependence and cooperation among trade partners
- Higher tax revenue
- Countries may refrain from serious conflicts due to economic interests

Types of trade

Startup question

What are the types of trade?

Trade is classified into two categories - Internal and External Trade. These types of trade are also further classified into various types.

1. Internal trade is done ~~within the same country, that is,~~ within the same geographical boundary of a country. It is further classified into different categories as follows:

a. Wholesale trade involves the purchase and selling of goods in large quantities.

b. Retail trade is an action of selling goods directly to consumers by retailers.

2. External trade- is also known as **international trade**. As the term denotes this trade occurs between two different countries. External trade is further classified into three categories as follows:

Import trade: refers to the purchasing of goods or services manufactured in foreign countries.

Export trade: refers to the selling of domestic manufactured goods to another country.

Entrepot trade: is all about the importing of foreign goods for re-exporting them to foreign consumers.

Ethiopia's export trade

Ethiopia's export trade is dominated by agricultural products. At present, the major export products of Ethiopia include coffee, livestock products (leather, live animals and meat), oil seeds and pulses, fruits, vegetables and flowers, textiles, natural gum, spices and mineral products.

Market forces: supply and demand

An exchange of a product is taken place when buyers and sellers can agree upon a price. Price is dependent on the interaction between demand and supply components of a market. **Demand** is the amount of a good that buyers are willing and able to purchase. **Supply** is the amount of a good that sellers are willing and able to sell. The point where the supply and demand curves intersect is called market equilibrium.

Focus

Surplus (Excess supply): is a situation in which quantity supplied is greater than quantity demanded.

Shortage (Excess demand): is a situation in which quantity demanded is greater than quantity supplied.

Major actors of the market

The major actors of the market are buyers (consumers) and sellers (producers). **Buyers (consumers):** are people who buy products for their personal or family use. They buy goods not for other purposes but for consumption.

Sellers (producers): are people and organizations that convert raw materials to a more useful product for users. They supply for sale the products and services that are demanded by consumers.

The idea of competitive market

A competitive market is a market in which there are so many buyers and so many sellers that each has a negligible impact on the market price. Because buyers and sellers in perfectly competitive markets must accept the price the market determines. They are said to be price takers. The following conditions must exist for perfect competition to occur:

- Each buyer knows that there are several sellers from which to choose.
- Sellers know that each buyer purchases only a small amount of the total amount sold.
- The goods being offered for sale are exactly the same, so they have uniform price.
- The buyers and sellers are so numerous that no single buyer or seller has any influence over the market price.
- Buyers and sellers are free to enter or leave the market at any time they like.

Consumer right and supply problem

In Ethiopia, there are supply problems which are caused by several factors. These problems highly affect consumers by depressing availability of goods from quantity, quality, time and price aspects. Some of the supply problems include:

- Malpractices by suppliers: like black marketing, hoarding, profiteering, unethical advertising, etc.
- Wrong weight and measures
- Problem of duplicate goods
- Health and safety hazards: example, selling products after the expiry date
- No proper return for money (price paid): due to inferior quality, less durability, adulteration, unsatisfactory packing, etc.
- Low level of market infrastructure
- Poor storage facilities
- Shortages due to irregular supply, etc.

According to the Ethiopian Trade Practice and Consumers' Protection Authority Proclamation Number 685/2010, any consumer shall have the right to:

1. get sufficient and accurate information or explanation on the quality and type of goods and services he/she purchases.
2. selectively buy goods and services
3. not to be obliged to buy for the reasons that he has looked into quality or options of goods and services or he/she has made price bargains.
4. be received humbly and respectfully by any business person and to be protected from such acts of the business person as insult, threat, frustration and defamation.
5. submit his complaints to the Trade Practice and Consumers' Protection Authority for adjudication; and
6. be compensated for damages he suffers because of transactions in goods and services.

Activity 2.3

A. Questions based on facts

1. Define the following terms:

a. Consumers d. External trade g. Trade
b. Demand e. Market h. Shortage
c. Export trade f. Producers i. Supply

2. What are the key benefits of trade?
3. How internal trade differs from external trade?
4. What are Ethiopia's major export items?
5. What conditions must be fulfilled for the occurrence of perfect competition?
6. What are the major actors of the market?
7. What rights do people have as consumers in Ethiopia?

2.4. Government revenue and tax

Competency: After studying this lesson, you will be able to:

► Explain the meaning of government revenue and tax.

These are the words you should try to learn for this lesson

Top three terms

- Government revenue
- Tax
- ~~Taxation~~

The Meaning and basic concept of government revenue and tax

Startup questions

What is government revenue?

What is tax?

Government revenue refers to all the income of the government from taxes and non-tax sources. These funds are used for government expenditure. Government revenues and spending are important parts of fiscal policy of the government. Let us see one source of government revenue as follows:

Tax

Tax is defined as a mandatory fee or financial charge levied by any government on an individual or an organization to collect revenue for public works providing facilities and infrastructure. Tax revenues finance government activities, ~~that~~ including public works and services as roads and schools, or programs like Social Security and Medicare. Taxation is

a system of raising money to finance government expenditure.

~~The benefits of the government revenue and tax~~

~~**Competency: After studying this lesson, you will be able to:**~~

► ~~List the main benefits of revenue and tax.~~

~~These are the words you should try to learn for this lesson.~~

~~Top two terms~~

- ~~Economic stability~~
- ~~Capital accumulation~~

Benefits of the government revenue and tax

Startup questions

What are the benefits of government revenue and tax?

In order to render various economic and social activities, government requires large amount of revenue. Government revenues have the following benefits:-

- **Removal of inequalities in income and wealth:-**The welfare state aims at the removal of inequalities in income and wealth.
- **Ensuring economic stability:-**Taxation affects the general level of consumption and production. It can be used as an effective tool for achieving economic stability.
- **Reduction in regional imbalances:-**this is important to remove regional imbalances, the government can use tax measures.

- **Capital accumulation:** Capital accumulation is essential for the promotion of industrial development.
- **Creation of employment opportunities:** More employment opportunities can be created by giving tax concessions or exemptions to small entrepreneurs.
- **Beneficial diversion of resources:** Resources utilized for the production of goods may be diverted in to the production of other essential goods.
- **Encouragement of export:** Nowadays export oriented industries are encouraged by way of providing various exemptions like100% relief from income tax, free trade zones etc.

~~Historical development of government revenue and tax in Ethiopia~~

~~Competency: After studying this lesson, you will be able to:~~

► ~~Discuss the historical development of revenue and tax in Ethiopia.~~

~~These are the words you should try to learn for this lesson~~

~~Top two Terms~~

- ~~Income tax~~
- ~~Rental income tax~~

The Historical development of government revenue and tax

The traditional taxation provides for taxes on crops, livestock and livestock products such as wool, butter and milk. The tax on wool was particularly levied on mountainous areas of

the country. Hunting taxes were imposed on elephant hunters in the form of ivory taxes. In the Axumite kingdom there was a practice of traditional taxation. In the reign of King Zerayacob (1434 -1468), the first tax system was introduced. The first important reform carried out by Emperor Menelik II towards the end of the 19th century resulted in the establishment of a fixed tithe rather than the undefined and essentially arbitrary system of agriculture taxes.

A. Taxes during Haileselassie regime (1942-1974)

The elements of the tax system of this regime comprised personal income tax, business income tax, agricultural income tax, land tax, education tax, health tax, road tax, salt tax, tobacco tax, alcohol tax, cattle tax, stamp duties and custom duties.

B. Taxes during the Derg regime (1975-1991)

The political upheavals of 1975 brought about the abolition of the feudal tenure land system and the revoke of land taxes and the tithe. The health and education taxes were also cancelled and the remaining types of taxes were extensively amended and restructured. Additionally the government had two proclamations that were enacted to collect income tax.

Income tax

Proclamation number 77/1976 and proclamation number 152/1978 were aimed at changing the income tax structure levied on agricultural activities. Thus, the rate of rural land use fee was as follows:-

- Every farmer who was a member of agricultural producers cooperative paid birr 5
- Any individual peasant who was not a member of an agricultural producers cooperative paid birr 10
- Every state farm paid birr 2 per hectare under its possession.

C. Taxes during the transitional government of Ethiopia (1991-1995)

Income tax

~~Personal income tax~~ according to proclamation number 30/1992,the first birr 105 fron monthly personal income was exempted from the payment of income tax .Marginal tax rate was ranged from 10% to 50%. Proclamation number 30/1992 was amended by the income tax amendment proclamation number 107/1994. As aresalt of this birr 120 was exempted.

~~Rental income tax~~

~~The rate ranges from 10% to 45% and bellow birr 1200 of annual income were exempted. The marginal rate was ranged from 10% to 30%.~~

~~Lesson 2.4 Review~~

Activity 2.4

A. questions based on facts

1. Define the following terms.

a. Government revenue b. Tax

2. List the benefits of government revenue and tax.

3. Explain the historical development of government revenue and tax in Ethiopia.

Summary

- Culture is defined as the symbols, language, religion, beliefs, norms, values, and artifacts that are part of any society.
- Cultural diversity refers to a group of diverse individuals from different cultures or societies.
- Religion is defined as a set of organized beliefs, practices, and systems that are related to belief and worship of a controlling force to a personal God or another supernatural being.
- The cultural dimension of globalization is seen in the presence of western entertainment and mass media.
- Primary economic activities focus directly on the extraction of resources from the environment.
- Secondary economic activities include manufacturing, construction and power production.
- Manufacturing is the activity which turns raw materials into products by using labor, energy and equipment.
- The tertiary sector involves the provision of services to other businesses as well as the final consumers.
- The developed and developing countries have different economic basis.
- Trade involves the exchange of goods or services. It is classified into two categories - Internal and External Trade.
- A market is a place where two parties can gather to facilitate the exchange of goods and services.
- Government revenue refers to all the income of the government from taxes and non-tax sources. Tax is defined as a mandatory fee or financial charge levied by a government.

Glossary

Bartering: is trading goods for goods.

Competition: a situation in which many producers offer the same good or service for sale to many consumers.

Consumers: are people or individuals who buy products for their personal or family use.

Cultural diversity: is the existence of a variety of cultural groups within a society.

Culture: is the characteristics and knowledge of a particular group of people, encompassing language, religion, social habits, music and arts.

Demand: is the quantity of a product that consumers will purchase at each possible price.

Forestry: the science of caring for forests, and the trees and other plants which grow in them.

Globalization: refers to the increasing of interconnections among individuals across nations and their people.

Government revenue: refers to all the income of the government from taxes and non-tax sources.

Human race: is defined as a category of humankind that shares certain distinctive physical traits.

Industry: a place where manufacturing activity takes place.

Producers: are those people and organizations that convert inputs to a more useful product for users.

Supply: the quantity of a good or service that firms will offer for sale at each possible price.

Tax: is a financial charge or other levy imposed on an individual or a legal entity.

Tourism: practice of travelling for recreation.

Trade: the activity of buying and selling; or sometimes bartering of goods.

Transportation: the movement of people and goods from one location to another.

UNIT 2 REVIEW QUUESTIONS

IV. True or False Item

Instruction: Write True if the statement is correct and False if it is wrong.

_____1. Material culture refers to the values, beliefs and language of the society.

_____2. Agriculture involves crop production and livestock rearing.

_____3. Tourism is a type of secondary economic activity.

_____4. Wholesale trade is an action of selling goods directly to consumers.

_____5. In a perfectly competitive market both buyers and sellers are price makers.

V. Matching Item

Instruction: Match the concepts under column 'B' with those under 'A'.

A	B
___1. A type of internal trade	A. Surplus
___2. A type of external trade	B. Shortage
___3. Excess demand	C. Entrepot trade
___4. Excess supply	D. Retail trade
___5. Smokeless industry	E. Tourism

VI. Multiple choice Item

Instruction: Choose the best answer from the given alternatives.

____1. Which one of the following is a primary economic activity?

A. Manufacturing B. Trade C. Forestry D. Construction

____2. What is globalization?

A. The attempt to colonize planets in space
B. The growing global economic, cultural and political interaction
C. Protecting the markets in your country by raising tariffs
D. The call for a one world government

____3. Which type of trade involves the purchase of goods manufactured in foreign countries?

A. Entrepot trade B. Import trade C. Export trade D. Local trade

____4. The amount of a good that sellers are willing and able to sell is called

A. supply B. demand C. surplus D. stock

____5. What is the major export product of Ethiopia?

A. Tea B. Textile C. Coffee D. Cereal

____6. Which of the following refers to a tertiary economic activity?

A. Processing raw materials C. The extraction of resources
B. Producing final goods D. The provision of services

____7. A market which has very large number of buyers and sellers that each has a negligible impact on the market price is known as

A. imperfect competition C. pure monopoly
B. perfect competition D. moderately competitive

____8. A system of communication which consists of sounds and written symbols is

A. Religion B. Language C. Human race D. Ethnicity

V. Short answer item

1. What is material culture?

2. What are the major economic activities that are categorized under:-

   a. primary economic activity?

   b. secondary economic activity?

   c. tertiary economic activity?

3. Explain some of the supply problems that consumers are facing these days.

4. What are the two types of internal trade?

5. Mention the four major language families which are spoken in Ethiopia.

Check List

Put a tick (√) mark in each of the boxes for activities you can perform.

I can

1. Explain the processes that lead to the development of culture. ☐
2. Discusse language, religion and human race as a cultural elements ☐
3. Elaborate the cultural diversity of people in terms of language, religion, and human races. ☐
4. Debate in the class room on the effect of globalization as an agent cultural change. ☐
5. Respect humanity and indigenous knowledge. ☐
6. Explain the different types of economic activities. ☐
7. Relate different economic activities with countries levels of development. ☐
8. Compare and contrast the agriculture of the developed and developing countries. ☐
9. Describe the various flow patterns of goods, services and information. ☐
10. Analyze the contribution of trade to the Ethiopia economy. ☐
11. Explain the major types of trade. ☐
12. Evaluate the contribution of different economic sectors to Ethiopian export trade. ☐
13. Explain that the interaction of supply and demand determines price. ☐
14. Use graphs to show the market equilibrium point. ☐
15. Explain what conditions must exist for perfect competition to occur. ☐
16. Discuss the trade-off between consumer right and market supply. ☐
17. Explain the meaning of government revenue and tax. ☐
18. Discuss the historical development of revenue and tax in Ethiopia. ☐
19. List the main benefits of revenue and tax. ☐

UNIT 3

NATURAL RESOURCES AND SOCIO ECONOMIC DEVELOPMENT

Learning Outcomes

At the end of this unit, you will be able to:

- ► Describe the role of natural resources for socioeconomic development;
- ► Explain the concept of sustainable resource utilization and development;
- ► Describe the way natural resources are utilized in your locality;
- ► Value indigenous resource based conflict resolution efforts in your locality;

Main contents

3.1 Conservation and utilization of natural resources for sustainable development
3.2 Consequences of unwise utilization of natural resources
3.3 Resource accessibility and resource based conflict
Unit summary
Review Questions

3.1. Conservation and Utilization of Natural Resources for Sustainable Development.

Competency: After studying this lesson, you will be able to:

► Analyze the use of natural resource for socio -economic development.

These are the words you should try to learn for this lesson

Top three terms

- **Natural resource**
- **Non renewable**
- **Renewable**

3.1.1 Resource Utilization and Economic Benefits

Startup questions

Define natural resource.

What means by conservation of resources?

Explain the importance of natural resources.

Natural Resources

Natural resources are the resources which exist without any actions of human being. Resources which consist of water, coal, iron, sunlight, atmosphere, soil, minerals, vegetation and animal life are examples of natural resources.

A. Classifications of Natural Resources

Natural resources are mainly classified into two different categories:

- Renewable and
- Non-renewable natural resources

1. Renewable natural resources: are the resources that can be generated again once

they are used. Example:- sunlight, water, soil, plants, air and wild animals.

2. Non-renewable natural resources: are resources that exhaust after their frequent usage and it takes a long time for them to regenerate. Example: -natural gas, coal, iron, copper and petroleum. Most of these non-renewable natural resources cannot be recycled. So it is important to conserve these natural resources.

B. Natural Resources and their Conservation

Natural resources are the resources that are naturally available on the Earth. These resources are important for all living things on Earth. However, many natural resources are destructing fast because of several reasons. So we have to conserve natural resources for survival of human beings on earth.

The measures on conservation of natural resources include:

- Use an alternative source of energy like solar and wind energy.
- Plant more trees.
- Use pipelines for transporting oil.
- Treat and recycle the industrial sewage and waste.
- Reduce emissions.
- Practice the method of crop rotation.
- Construct water reservoirs.

C. Economic benefits of natural resources

Human beings depend on natural resources in their daily lives. Almost everything that humans utilize on a daily basis comes from the natural resources.

Natural resources are important for maintaining the overall environmental balance and satisfy their needs. In addition, natural resources are important for development of a country. For example, coal and iron are required for the growth and development of the iron and steel industry which is vital for the development of a country. Other mineral fuels like petroleum and uranium ~~are~~ provide great ~~of~~ economic importance. This contributes for fiscal revenue and income; provides job opportunities and leads to poverty reduction.

Sustainable utilization of natural resources is the proper management of natural resources for the benefit of the people. Sustainable utilization of natural resources is important for sustainable development. The main aim of sustainable development is to provide resources for present generations without compromising the needs of future generations. Natural resources are ~~finite, limited, and~~ capable of being destroyed by unsustainable use and this can be a limiting factor on sustainable development.

Conservation of natural resources improves, maintains and protects the natural environment and its resources for the benefit of the people.

Activity 3.1

A. Questions based on facts

1. Explain the conservation and the utilization of natural resources for sustainable development.
2. Describe the economic benefits of resource utilization.
3. Mention the two groups of natural resources and explain each with appropriate examples.

B. Group discussion

1. Explain the importance of wise and sustainable utilization of natural resources including land, water and forest.

3.1.2. Factors of Natural Resource Utilization

Competency: After studying this lesson, you will be able to:

- Describe factors influencing the utilization of natural resource.

These are the words you should try to learn for this lesson

Top two terms

- **Ecosystem**
- **Utilization**

Factors influencing the utilization of natural resources

Startup question

What are the factors influencing the utilization of natural resource?

Sustainable utilization of natural resources involves proper use of land, water, air, minerals, forests, fisheries, and wild flora and fauna resources. Natural resources provide the ecosystem balance for better quality of human life. Ecological processes maintain soil productivity, nutrient recycling, clean air, water, and climatic cycles. but there are several factors that affect the utilization of natural resources. The rapid population growth and overuse of natural resources led to several socio-economic and environmental problems. Some natural resources are available in a fixed quantity. This creates unbalanced demand between population and resource. The main factors that affect the utilization of natural resources are:

i. Overpopulation

There is a consistent increase in the number of population and this has been a critical factor in accelerating the destruction of natural resources.

An increase in the population expands the need for resources and conditions necessary to sustain it.

ii. **Poor Farming Practices**

A poor irrigation practice is a key contributing factor to salinization and alkalization of the soil. Poor soil management practices and the use of heavy machinery for farming purposes destroy the soil structure and inhibit the proper growth of plants.

iii. **Overconsumption of Natural Resources**

The overexploitation of resources results several problems like global warming, food insecurity, drought, desertification, climate change, and mineral depletion.

iv. **Pollution**

Rapid population growth is a major contributor to the disposal of pollutants into the natural environment. The water bodies, the atmosphere and the soil are being contaminated by sewage, radioactive materials, agricultural fertilizers, pesticides, herbicides and other chemicals.

v. **Industrial and Technological Development**

Technological and industrial advancements, agricultural expansion and rapid urbanization lead to the release of different toxins that cause water, air and soil pollution.

3.1.3. The Changing importance of resources over time

Competency: After studying this lesson, you will be able to:

► Explain how the consumption patterns of resources are changing through time.

These are the words you should try to learn for this lesson

Top two terms

- **Consumption**
- **Environmental impact**

Changing importance of resources over time

Startup question

How the consumption patterns of resources are changing through time.

Humans demand for consumption of natural resources is dramatically increasing. Humans need to interact with the environment to obtain food, water, fuel, medicine, soil, building materials and many other things. Technological advancements have made great contribution for exploitation of natural resources. This overutilization of resources induced pollution which is a cause for environmental damage. This also creates environmental problems that affect humans' health and socio-economic development.

Environmental impacts of high levels of consumption are confined to the local area and country. For example, the use of fossil fuels for energy to drive cars, heat and cool houses has an impact on global CO_2 levels and resulting environmental effects. Humans are the main causes for environmental damage. The impact of humans on the environment depends on the consumption level of resources, such as land, food, water, air, fossil fuels and minerals. The consumption patterns of resources cause air and water pollution, waste, and global warming. Changing consumption patterns combined with population increase and food insecurity concerns could lead to challenges in terms of sustainability for the environment.

When consumption behaviors change, they generally shift towards products that are not commonly available or are not produced in the required quantities in the area.

~~**Lesson 3.2 Review**~~

Activity 3.2

Questions based on facts

1. What are the factors affecting the utilization of natural resource? Explain by giving examples.
2. Describe how the consumption patterns of resources are changing through time.
3. What are the environmental impacts of consumption of natural resources?

3.1.4. Resource Conservation and Sustainable Utilization

Competency: After studying this lesson, you will be able to:

► Explain the ideas of Resource Conservation and sustainable utilization.

These are the words you should try to learn for this lesson

Top six terms

- **Conservation**
- **Sustainable use**
- **Terracing**
- **Shelter belt**
- **Strip cropping**
- **Crop rotation**

A. Meaning of conservation

Startup questions

Define the ideas of resource conservation and sustainable utilization.

What are the mechanisms to conserve and sustainable utilization of soil, water, forest and wild life?

Conservation is a careful, efficient, wise use and sustainable use of natural resources. It helps to secure the availability of renewable and non-renewable raw materials. In addition, it is useful to maintain soil fertility and the supply of clean drinking water.

Focus

Sustainable use of resource means the use of resources that does not lead to the long term degradation of the resource and maintaining its potential to meet the needs and aspirations of present and future generations. In other words, it is defined as the use of the environment and its resources at a rate that does not exceed its capacity for replacement of the resource.

B. Soil Conservation and Sustainable Utilization

Startup question

What are the possible mathods of soil conservation ?

Soil conservation is the set of techniques and practices which involves the protection of soil from erosion and soil degradation, so as to maintain soil fertility and productivity.

The following are some of the methods in the conservation of soil:-

1. **Terracing**: constructing stair like structures along hillsides to reduce the speed of water flows down the slope. Study the case study presented on the Konso cultural landscape.

2. **Afforestation**: planting new trees where none existed before.
3. **Crop Rotation**: the planting of a serious of different crops in the same field over a period of years.
4. **Reforestation**: trees must be replaced wherever they are cut down.
5. **Shelter belts**: are trees planted at the edge of farmlands to protect the soil from wind erosion.
6. **Check Dams**: are small dams to trap silt washed from hills.
7. **Strip cropping**: involves the planting of ~~two or more~~ crops in the same field. The crops may differ in height, time of harvest and use of nutrients.

Case study
The Konso Cultural Landscape



The Konso Cultural Landscape has been added to the official list of World Heritage sites by the United Nations Educational, Scientific and Cultural Organization (UNESCO). This landscape is an arid property of stone walled terraces and fortified settlements in the Konso highlands of Ethiopia. It constitutes a spectacular example of a living cultural tradition stretching back more than 400 years and adapted to its dry hostile environment. The terraces retain the soil from erosion, collect a maximum of water, discharge the excess, and create terraced fields that are used for agriculture. The terraces are the main features of the Konso landscape and the hills are contoured with the dry stone walls, which at places reach up to 5 meters in height.

Farmers in Konso practiced a terracing activity that consistently provides bountiful harvests. For centuries, the Konso have succeeded in sustainably growing millet, sorghum, corn, cotton and coffee, chat, beans, moringa, and many varieties of trees in their fields. They also raise cattle, sheep and goats that serve as important currency to exchange with other communities.

Source: - https://whc.unesco.org/en/list/1333/

Soil conservation increases productivity of soil, mitigates erosion, gives food and shelter for wildlife and promotes purification of water.

~~Figure 3: 4 shows the location of Ethiopia's soil. Look at the distribution of each soil type.~~

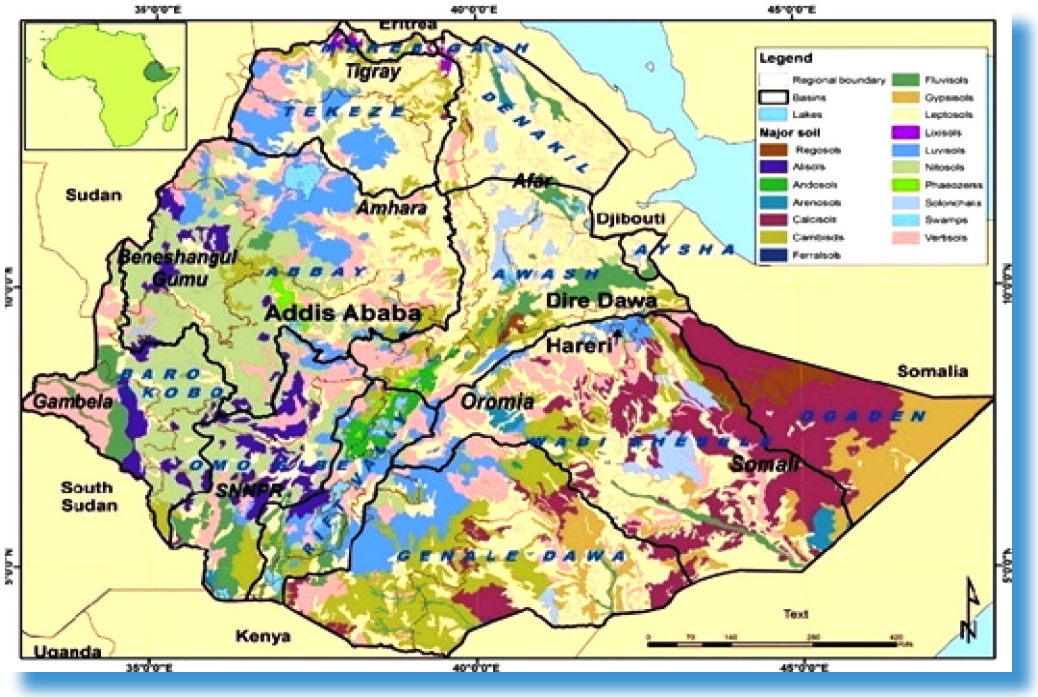


Figure 3.2 soil of Ethiopia

(Source: https://www.researchgate.net/profile/Meron-Eshetae)

C. Water conservation and sustainable utilization

Startup question

What are the methods for water conservation?

Water conservation refers to the wise use, control and development of water bodies, and prevention of pollution. The following methods are useful to conserve water:-

a. Protection of water from pollution: A large portion of fresh water is polluted due to the increasing of economic activities and urbanization. This creates water scarcity and conflicts. Protection of water from pollution helps to conserve water and to enhance water supply.

b. Rational use of groundwater: groundwater utilization should be only in proportion to its recharging capacity.

c. Renovation of traditional water harvesting methods: traditional water harvesting methods have been able to meet the demand of drinking water. Water stored in traditional methods has been used for both purposes, agriculture as well as for drinking. These methods should be renovated to conserve more water.

d. Use of modern irrigation methods: Sprinkler and drip irrigation methods save more water than traditional irrigation method. Thus, improved modern irrigation methods are useful for conservation of water.

e. Increasing forest cover: Forest cover has been destroyed due to various reasons. As a result of it, rain water flows away very fast to the rivers. Reforestation and afforestation are helpful in recharging water sources.

f. Conserving water in industries: Industries consume water to a large extent for cooling their plants and discharging wastes. Some industries pollute water bodies. This waste water should be treated and the water bodies have to be protected from pollution. Industries should also re-use water after processing to conserve water.

g. Water conservation by municipal bodies: Municipal bodies should manage both individual demand and supply of water as well as conserve it. Municipal laws should provide for collection of rain water from roof tops and implement it. Individual awareness is very important in water conservation.

Benefits of Water Conservation

It is important to conserve water because of the following reasons:

a. It minimizes the effects of drought and water shortages: the demand for fresh water is increasing due to population and industry growth. The water returns to the Earth through the water cycle. So people must conserve water resources in

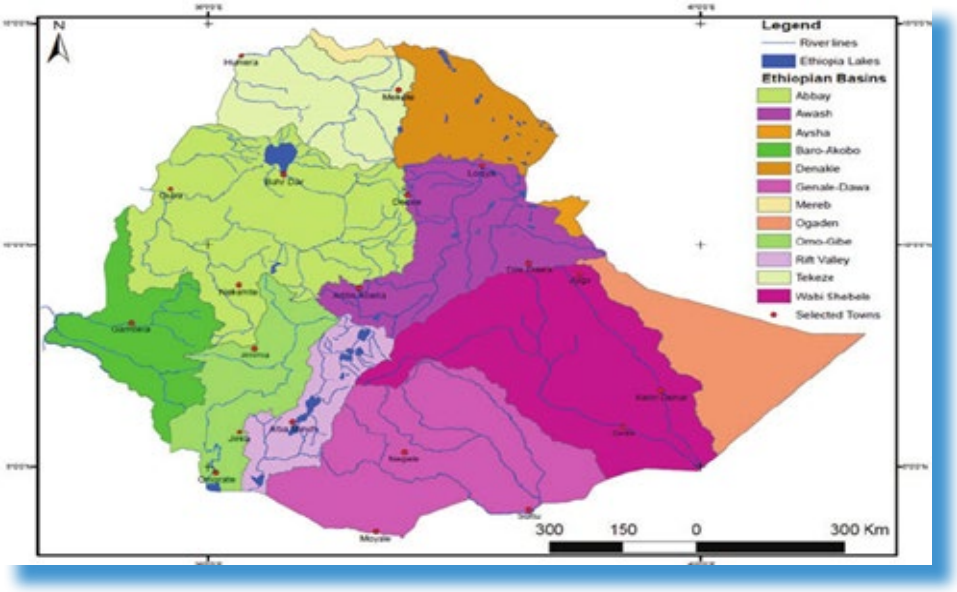
order to reduce drought and water shortage.

b. **It reduces political conflict:** the problem on conservation of water lead to lack of adequate water supply. This include water scarcity, reduced food supplies, health hazards, and political conflict.

c. **It helps to preserve our environment:** Reducing over water consumption in homes, businesses, farms, and communities, helps to reduce pollution.

d. **It makes water available for recreational purposes:** conservation of water is important for recreation purposes.

e. **It builds safe and beautiful communities:** many people use water in hospitals, gas stations, hotels, industries and restaurants which require large amounts of water to provide services to the community. So reducing the over consumption of water creates safe environment for the communities.



~~(Source:https://www.researchgate.net/figure/River-basin-map-of-Ethiopia)~~

~~**Figure 3.3 river basin of Ethiopia**~~

Forest conservation and sustainable utilization

Startup question

Explain the Forest conservation and the importance of forest.

Forest conservation is the practice of planting and maintaining forest areas for the benefit and sustainability of forest resources for the people. Forest conservation is essential to mitigate climate change.

Importance of forest resources

The importances of for est is discussed as follows:

1. Economic development:-Forest provides wood to the people and industry.
2. Environmental quality:-the forests enhance the quality of environment by absorbing greenhouse gases.
3. Maintaining ecological balance:-the forest check pollution of air through increasing oxygen content of the air.
4. Supply of raw material:- forest provides wood for fuel, industries (pulp, paper, and board), timber for furniture and preparing matches.

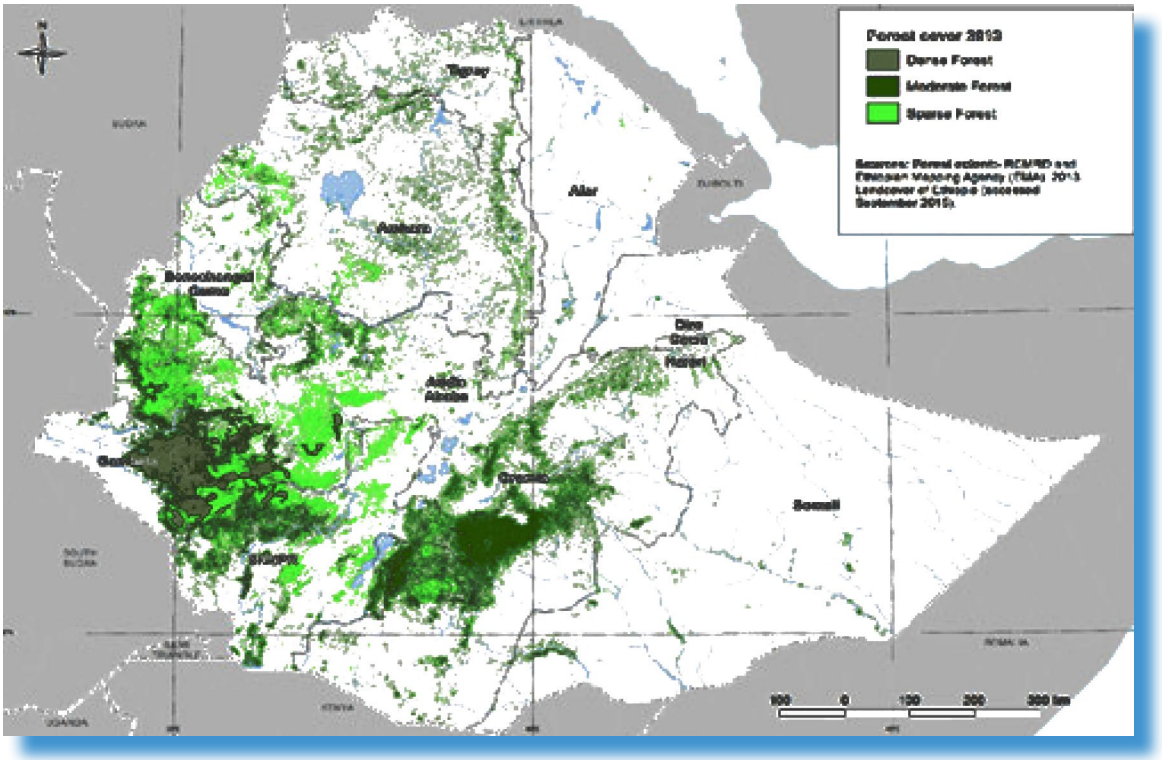


Figure 3.4Forest cover of Ethiopia

(Source: https://www.researchgate.net/figure/Forest-cover-of-Ethiopia_fig1_322897569)

Wildlife conservation and sustainable utilization

Startup question

What are the measures taken to conserve wildlife resources?

Wildlife conservation is the practice of protecting plant and animal species and their habitats. Wildlife resources include all animals and birds which grow naturally without any human interference. Wild animals live in wild without any friendly association with human being.

Wildlife is important to balance ecosystem, provide food, tourism, source of medicine, recreational purposes and for the development of the economy.

The major factors that affect wildlife are:

1. **Deforestation**: removal of forest results destruction of their habitats
2. **Illegal hunting**: seeking for meat, skin, fur, horn, ivory etc.
3. **Overgrazing**: keeping domestic animals over the carrying capacity of the grazing land.
4. **Burning of forests**: setting fire on forests, bushes and grasslands.
5. **Drought and famines**: wild animals die or migrate when food and water sources get scarce.

Measures of wildlife conservation

1. Educate the people about wildlife and ecological conservation, tree planting.
2. Laws should be made to punish persons who are killing of wild animals.
3. Establishing National parks, game reserves and sanctuaries.
4. Conservation of endangered species of wild animals.

Activity 3.3

A. Questions based on facts

1. Define the following terms:
   a. Conservation b. Sustainable use
2. Describe the methods of soil conservation.
3. What are the benefits of forest conservation?
4. Describe the importance of proper use of soil, water and forest resources.
5. List the factors that affect wild life resources.
6. Mention the main benefits of wild life conservation in Ethiopia.

B. Group discussion

1. Discuss on the water and soil conservation methods of your locality. What measures must be taken to conserve water and soil?

C. Individual work

1. Investigate the natural resources of your locality and evaluate the conservation measures taken for sustainable utilization of natural resources.
2. Sketch the physical map of Ethiopia and show the location of river basins and forest distribution, then share your findings to your classmate.

3.2. Consequences of unwise utilization of natural resource

Competency: After studying this lesson, you will be able to:

► Describe the consequences of unwise utilization of natural resource.

These are the words you should try to learn for this lesson

Top two terms

- **Depletion**
- **Extinction**

~~The consequences of unwise utilization of natural resources~~

Startup question

What are the consequences of unwise utilization of natural resources?

Throughout the world, forest areas are deforested, soils are ploughed, waters put in to use. This happens because of a continuous improvement in the life style of people. Resources are also misused and as a result they become smaller and smaller. Natural resource exploitation, exploration, mining and processing have caused environmental degradations. Unwise utilization of natural resources resulted in:-

1. **Water shortages**:-Poor farming practices, deforestation, and pollution are major causes of water resource depletion. This causes lack of potable water, lowering of the underground water level, water pollution, and the destruction of aquatic life. Water shortage contributes to famine and food insecurity.
2. **Loss of forest cover**:-The devastating effects of deforestation include soil erosion and an increase in the greenhouse gases leading to global warming, loss of biodiversity, desertification, drought and famine.
3. **Depletion of minerals**: -over exploitation of minerals such as phosphorus,

gasoline, copper, iron and zinc leads to depletion of minerals.

4. **Extinction of species: -**resource over exploitation and habitat degradation leads to changes in environment. As a result, some species may extinct. Forests serve as a habitat for a wide variety of animals. But the removal of forests is destroying forest habitats. This leads to ecological disturbances, destruction of natural flora and fauna.

3.3. Resource Accessibility and Resource Based Conflicts

Competencies: After studying this lesson, you will be able to:

- Evaluate how their society uses resources and how dispute over resources
- Take part in events that promote resource conservation practices in your community.
- Discuss on indigenous knowledge related to resource conservation.

These are the words you should try to learn for this lesson

Top four Terms

- **Hydro-politics**
- **Water conflict**
- **Upper course**
- **Lower course**

Hydro-politics of Abay River

Startup questions

Explain how the society use resources and how dispute over resources is resolved. Have you participated in events that promote resource conservation practices in your community? Explain to the class.

Water conflict arises from various kinds of claims over water access or rights. The disputes may arise often between groups or regions and neighboring states. As the demands on access to water and using fresh water supplies rises due to population growth, economic development and pollution are the causes for conflict. The construction of a dam or the channeling of the river flow leads to international conflict.

The Nile River is one of the most politically significant rivers in Africa. The upper and lower stream countries (Ethiopia, Egypt, Kenya, Sudan, Uganda, Rwanda, Burundi, democratic republic of Congo, Eritrea, Tanzania, and south Sudan) have significant interest over the water of this basin. The upper course countries are those that contribute the water for the river and are found at higher altitude where the major tributaries of the Nile originate. On the other hand, the lower course countries, namely Sudan and Egypt, are found at lower elevation where the water of the river flows gently over the vast plains.

The hydro-politics of the Nile is, therefore, related with the degree to which the Nile River is utilized in its upper and lower courses.

Focus

Hydro politics is the study of inter-state politics regarding the management of shared water resources.

Historically, the two countries (Egypt and Sudan) have been the most benefited of all the countries in the Nile basin. On the other hand, the upper course countries have been the least benefited. This unbalanced and unfair utilization of the river between the upper and lower course countries has been a great area of interest. The countries of the basin are now coming in a situation where they have equitable utilization of the river.

Activity 3.4

A. Questions based on facts

1. Explain the consequences of unwise utilization of natural resources.
2. Define water conflict.
3. What is hydro politics?

B. Group discussion

Write a short essay on the hydro politics of Abay River.

Summary

- The conservation and utilization of natural resources satisfy the principles of sustainable development.
- A natural resource is the physical supply of something that exists in nature, such as soil, water, air, plants, animals, and energy.
- Conservation is the careful maintenance and wise use of a natural resource to prevent it from disappearing.
- Sustainable use of resource means the use of the environment and its resources at a rate that does not exceed its capacity for renewal in order to ensure its availability for future generations.
- The soil conservation measures include terracing, afforestation, crop rotation, strip cropping, reforestation, shelter belt, etc.
- Water conservation includes all the policies, strategies and activities to sustainably manage the natural resource of fresh water, to protect the hydrosphere, and to meet the current and future human demand.
- Forests provide wood for fuel and construction, raw materials for industries, medicinal plants, and habitat for wild animals, beauty or aesthetic value to the natural environment.
- The major factors that affect wild animals include deforestation, illegal hunting, overgrazing, burning of forests, drought and famines.
- Natural resource exploitation, exploration, mining and processing have caused different types of environmental damages which include ecological disturbances, destruction of natural flora and fauna, pollution of water and air, soil degradation ,desertification and global warming.
- The Nile River is one of the most politically significant rivers in Africa.

Glossary

Afforestation: the act or process of establishing a forest especially on land which is not previously forested.

Conservation: careful use of resources so that future generations can obtain as many benefits from them as we now enjoy.

Deforestation: the process of removing the trees from an area of land.

Hydro-politics: examine conflicts and cooperation in countries over shared water resources.

National park: an area of countryside, or occasionally sea or fresh water, protected by the state for the enjoyment of the general public or the preservation of wildlife.

Natural resource: a naturally occurring exploitable material that a society perceives to be useful to its economic and material wellbeing.

Sanctuary: an area of birds or animals where they are protected and cannot be hunted.

Sustainable use: is an activity which does not deplete or damage natural resources irreparably and which leaves the environment in good order for future generation.

Terracing: constructing stair like structures along hillsides to reduce the speed at which water flows down the slope.

Wildlife: living things, especially mammals, birds, and fishes that are not dometicated by human being.

Unit Three Review Questions

I. True / False item

Instruction: Write true if the statement is correct and write false if the statement is wrong.

____ **1.** Natural resource is the supply of resources that exist in nature.
____ **2.** Legal hunting is one of the major factor that affect wild animals.
____ **3.** Forest conservation is essential to stop climate change.
____ **4.** Natural resources conservation is important for development.
____ **5.** Renewable resources are resources that cannot be replaced.

Matching item

Instruction: Match the method of soil conservation in column "B" with their definitions in column "A"

		A	B
___	**1**	Planting many types of crops on the same farm	A. Shelter belt
___	**2**	Planting different crops alternately on a farm	B. Afforestation
___	**3**	Building stair like structures along hillsides	C. Strip cropping
___	**4**	Planting trees in a line to reduce wind erosion	C. Crop rotation
___	**5**	Planting trees in new areas	D. Terracing

Multiple choices

Instruction: Choose the right answer and write the letter of your choice on the space provided.

_____1.Which one of the following is **not** the benefit of water conservation?

A. Minimize drought
C. increase pollution
B. preserves environment
D. useful for recreation

____2. Soil conservation is the process where:

A. soil is protected against erosion
C. soil is polluted
B. soil is destructed.
D. soil lacks basic nutrients

____3. Which one is the consequence of unwise utilization of natural resources?

A. wildlife protection
B. water shortage
C. forest conservation
D. soil fertility

____4. Which one of the following is non -renewable resource?

A. Water B. Soil C. Air D. Coal

____5. The burning of forests increases the amount of

A. carbon dioxide B. oxygen C. nitrogen D. water vapour

_____6. Rotation of crops is essential for:

A. increasing fertility of the soil
B. increasing quality of crops
C. increasing quality of protein
D. getting similar crops.

_____7. Forests control drought by:

A. preventing soil erosion
B. increasing oxygen
C. increasing humidity and rainfall
D. preventing floods

IV. Fill in the blank item

Fill in the blank space with appropriate words.

1. The wise use of natural resource is called_____.

2. The removal of forest cover of an area without replacement refers to_____.

V. Short answer item.

Give Short Answer to Each of the Following Questions.

1. Define sustainable use of a resource.

2. Why we conserve forest?

3. Briefly explain the consequences of unwise utilization of natural resource?

4. What are the countries that are located in the Nile basin?

Check List

Put a tick(√)mark in each of the boxes for activities you can perform

I can

1. **Analyze the use of natural resource for socioeconomic development** ☐
2. **Describe the factors influencing the utilization of natural resources** ☐
3. **Explain how the consumption patterns of resources are changing through time in their locality** ☐
4. **Explain the ideas of resource conservation and sustainable utilization** ☐
5. **Evaluate how their society use resources and how dispute over resources is resolved in their communities.** ☐
6. **Take part in events that promote resource conservation practices in their community** ☐
7. **Discuss on indigenous knowledge's related to resource conservation** ☐

UNIT 4

EARLY MODERN AND MODERN WORLD HISTORY

Learning Outcomes

At the end of this unit, learners will able to:

- Discuss the process of the great geographical discoveries;
- Analyze basic issues of renaissance, reformation, and counter-reformation;
- Elaborate the essence of the industrial revolution;
- Describe the nature of the two world wars;
- Discuss main characteristics of the cold war era

Main contents

4.1. The Great Geographical Discoveries

4.2. Renaissance, reformation and counterreformation

4.3.The industrial revolution

4.4.The two world wars

4.5.The cold war

Unit summary

Review Questions

4.1 The Great Geographical Discoveries

Competency: After studying this lesson, you will be able to

- Locate the routes of the great geographical discoveries.

There are the words that you should try to learn for this lesson

Top six words

- Discovery
- Circumnavigate
- Sailed
- Explore
- Continent
- scientific Progress

Motives for discoveries

Startup question

What were the factors that inspire for great geographical discoveries?

During the medieval period the geographical knowledge of Europeans was limited to Europe, northern Africa, and western Asia. However, in the 15th century Western Europe nations- first Portugal and Spain, then Holland, Britain and France sent explorers to discover the new areas in Africa and the Far East, as well as the New World.

Trade with the East, European Interest about the Far East and scientific Progress were the main factors that encouraged these discoveries.

Major Discoverers & their routes

Startup questions

Have you heard about major discoverer before? Please state some of them?

Which countries were the pioneers for the great discovery?

Contribution of Portuguese

Prince Hennery the Navigator: inspired Portugal to begin to search for an all water route around Africa to the East. As a result, Portuguese sea captains gradually pushed southward along the Atlantic coast of Africa.

Bartholomew Diaz: some Portuguese sailors visited parts of the western African Coast along the Atlantic in the time of Henry the Navigator. In 1487 he tried to reach India by way of West Africa. He sailed as far as the Southern tip of Africa. In 1488 he was forced to return before reaching India because a storm nearly destroyed his ship. He called the Southern tip of Africa the "Cape of Storms". The King of Portugal was very happy and changed the name to "Cape of Good Hope". He hoped that India could be reached through the new route.



Figure 4.1 the route of Bartholomew Diaz and Vasco da Gama

Vasco Da Gama: Ten years after the voyage of Bartholomew Diaz, the King of Portugal sent another explorers called Vasco da Gama through the same route. Vasco da Gama sailed round the continent as far as East Africa. In East Africa he found an Arab sailor who showed him the way to India across the Indian Ocean. He landed in Calicut and exchanged goods with the people there.



Figure 4.2 the route of Christopher Columbus

Contribution of Spain

Christopher Columbus: He was a sailor from Genoa in Italy. For twenty years he went on travelling to various places. In 1492, Isabella, Queen of Spain, gave him money to go exploring. She also gave him letters for the ruler of the Chinese Empire. He left Spain with three ships and 88 men. He sailed many weeks without seeing any land.

Finally, he reached a group of Islands called the Bahamas near the coast of North America. Columbus did not know that he had discovered a new continent. He thought that he had reached the Islands of Asia. He called the people "Indians". This is why the old inhabitants of America are today called the West Indies.

Amerigo Vespucci: At the beginning of the sixteen century, another Italian traveler, Amerigo Vespucci, who served sometimes Portugal and sometimes Spain, sailed to the New World. He found out that what Columbus had discovered was not Asia but a new continent. The New World was, thus, called America after Amerigo.



Figure 4.3 the route of Amerigo Vespucci

Ferdinand Magellan: In 1519 Ferdinand Magellan, a Portuguese sea captain, led several ships from Spain. He rounded the southern tip of South America and

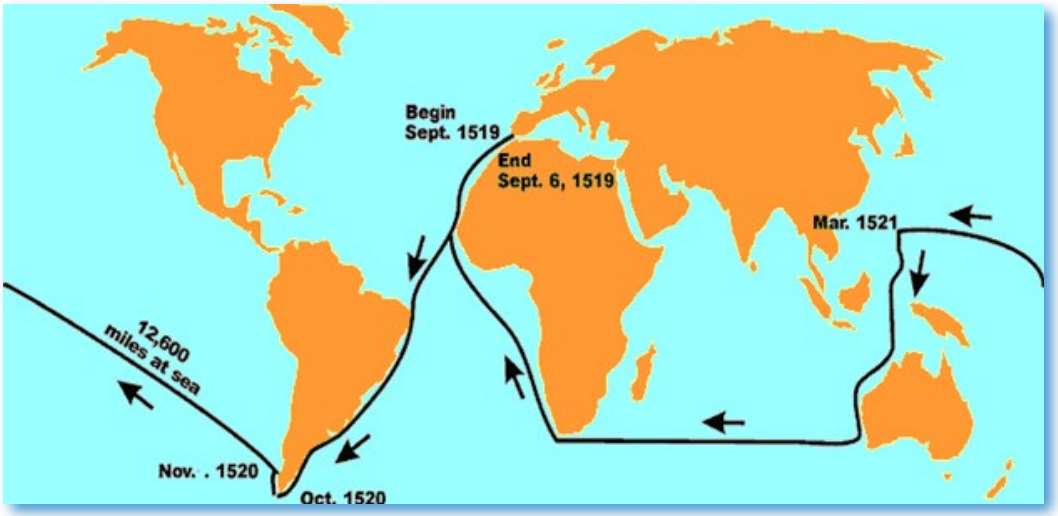


Figure 4.4 the route of Ferdinand Magellan

crossed the Pacific. In 1522 one ship arrived in Spain, thereby completing the first circumnavigation of the word. This heroic navigational activity, covering about 44,000 miles, proved concretely that the world is round.

Results of Great Geographical Discoveries

Startup questions

What were the results of the great geographical discoveries?

What was new for European before the great geographical discoveries?

Some of the results of the discoveries were: Progress was stimulated in Europe and other parts of the world. Different peoples, different religion and different cultures came in contact with each other. Plants and animals spread to other parts of the world where they were not known before. Potatoes and tomatoes, for example, came from America. Coffee spread from Ethiopia to Arabia and then to America. Horses were also introduced to the New World.

The trade wealth of Europe increased as a result of the discoveries of new routes and lands. They brought the raw materials from Asia, Africa and America and manufactured them in Europe. Thus, the traders, manufacturers and bankers became very rich.

Activity 4.1

A. Question based on facts:

1. Answer the following questions

   a. What were the factors that inspired the great geographical discoveries?

   b. Which nation was the first to establish trading posts in India?

   c. Who inspired Portugal to begin to search for an all water route around Africa to the east?

2. Things to do:

2.1. Indicate the route of the following important discoverers on the world map.

   a. Bartholomew Diaz
   b. Vasco Da Gama
   c. Christopher Columbus
   d. Amerigo Vespucci
   e. Ferdinand Magellan

2.2. Locate the following places on the world map:

   a. Portugal
   b. India
   c. America
   d. Cape of Good Hope
   e. Spain
   f. Philippines Islands

3. Group discussion:

Can we say great geographical discoveries played a pivotal role for European advanced economy and the present great civilization?

4.2 Renaissance, Reformation and Counterreformation

Competency: After studying this lesson, you will be able to:

► Pinpoint the main features of the renaissance, reformation and counter reformation;

These are the words that you should try to learn for this lesson

Top five words

- Renaissance
- Reformation
- Counter Reformation
- Ninety Five Theses
- Worldliness

More key words

- Simony
- Sale of indulgences
- Nepotism

The Renaissance

Startup questions

What is Renaissance? Where did it begin? Why& How was it expanded to other countries?

Renaissance is rebirth or revival. It was a period of approximately 300 years marking the transition between medieval and modern period in Western Europe.

The Renaissance was began with the rediscovery of the Greco-Roman civilization, which had been generally neglected by the religious minded Christian medieval world, emphasized reason, a questioning attitude, and free inquiry-in contrast to the medieval concern with faith, authority, and tradition, and featured great achievements in literature, art, and science.

The Renaissance arose in Italy because: Italy was the center of Greco-Roman culture and contained sculpture, buildings, roads, and manuscripts that excited interest about classical civilization. In addition,Italy's location on the Mediterranean enabled her to absorb stimulating new ideas from the advanced Byzantine and Muslim worlds.

In the 15th century Renaissance ideas began to spread from Italy to France, the German states, Holland, and England. This cultural diffusion resulted from religious, military, and commercial contacts. besides, many scholars traveled to Italy to absorb Italian art and learning.

Renaissance Achievements

Startup questions

What were the achievements of Renaissance?

When and where was printing invented? What was its importance?

Johannes Gutenberg: About the year 1450 printing with movable type was invented by a German, Johann Gutenberg. Within a few years, printing presses were set up in Germany, in Rome, in Venice and in fact all over Europe. As a result Bibles, prayer books, papal letters, the writing of classical authors and all kinds of books were turned out by the thousand.

In Literature

Nicola Machiavelli (1469-1527), an Italian, wrote about ethics and government in his book The Prince. It describes how rulers maintained their power by methods that ignored right or wrong.

William Shakespeare (1564-1616), an Englishman, is often considered as the greatest poet and playwright of all time. With beautiful understanding and excellent dramatic technique, he searched deeply into human character. Shakespeare's best-known plays include Romeo and Juliet, A Mid-summer Night's Dream, Hamlet, Julius Caesar, and Macbeth.

In Arts

Leonardo da Vinci (1452-1519) was the ideal Renaissance man, he was painter, sculptor, architect, musician, engineer, and scientist. He studied anatomy systematically and from

his observations of animals sketched a parachute and a flying machine. He painted such masterpieces as The Last Supper and the Mona Lisa.

Michelangelo (1475-1564) was another many-sided Renaissance genius, talented as a painter, Sculptor, poet, and architect. He painted beautiful Biblical scenes and figures on the ceiling of the Sistine Chapel in the Vatican; showing the dead Christ and His mother marry; carved massive statues of Old Testament figures, David and Moses; and designed the dome of St. Peter's Cathedral in Rome.

In Science

Nicolas Copernicus 1473-1543, was a pole, he concluded that the sun is the center of our solar system, and the earth is one of several planets revolving around the sun. (Copernicus's conclusions disproved the Ptolemy theory, which claimed that the earth is the center of the universe.)

Galileo Galilei (1564-1642), an Italian astronomer and physicist, propounded the law of falling bodies and greatly improved the telescope. His observations of the heavens confirmed the Copernican theory.

The Reformation

Startup question

What is reformation?

The Reformation was a religious revolt, started in 1517, against the Roman Catholic Church. The Reformation established many Protestant sects. Thus, in Western Europe, the Reformation shattered Catholic religious unity and led to diversity in Christianity.

Causes of the Reformation

Startup questions

What were the causes of Reformation?

The medieval Church gave great service to civilization in many ways - as a bond of union among Christians, in the relief of suffering and distress, in the preservation of culture and learning and in the setting up of worthy ideals of living. But toward the early modern period the great Church organization showed some signs of weakness. This Church's abuses were worldliness, Nepotism, Simony, and Sale of indulgences.

Martin Luther Started the Reformation (1517)

Startup question

Who was Martin Luther and how did he break away from the Catholic Church?

1. **Luther's Background:** Martin Luther (1483-1546), was a German, received an excellent education and entered a Catholic monastic order. At the age of 25, Luther was appointed professor of Christian theology at the University of Wittenberg.
2. **Luther Attacks the Church:** Luther condemned the sale of indulgences and denounced Papal agents selling them in Germany. In 1517 Luther nailed a statement of his religious beliefs, the Ninety-Five Theses, to the door of the church at Wittenberg . He was excommunicated by the Pope and faced punishment from Charles V, the Holy Roman Emperor but the Northern German rulers protected him and accepted Luther's ideas as a new religion, Lutheranism.

Counter-Reformation

Startup questions

What is counter-reformation?

Who was Ignatius Loyola why do Catholics regard him as a hero?

To defend itself against the Protestant movement, the Catholic Church took a number of actions, known as the Counter Reformation.

1. **The Council of Trent (1545-1563):** This Church council reaffirmed such basic Catholic doctrines as Papal supremacy and exclusive Church abuses-nepotism, simony, and sale of indulgences, and required the clergy to renounce worldly pleasures.
2. **The Society of Jesus:** This monastic order was founded in 1534 by Ignatius Loyola. Its members, called Jesuits, became the leading spiritual soldiers fighting Protestantism. By serving as priests and teachers, they helped preserve Catholicism in Poland, southern Germany, and Belgium. They also won new converts in India, China, Japan, and North America.

Results of the Reformation

Startup question

What were the immediate effects of the rise of Protestantism?

1. **End of Religious Unity:** The religious unity of Western Europe had been destroyed. Henceforth, Europe was divided according to their religion, as follows:

Predominantly Catholic were Italy, Spain, France, Belgium, Ireland, southern Germany, Austria, Poland, and Hungary.

Predominantly Protestant were England, Scotland, Holland, northern Germany, Switzerland, Denmark, Norway, and Sweden. The Protestant world at first consisted of the Lutheran, Calvinist, and Anglican denominations. Later, Methodists, Baptists, and other Protestant sects arose.

Religious wars: In the 16th and 17th centuries, Europe endured a serious of Civil Wars in Germany, Dutch war against Spain, Spanish Naval War against England, Civil Wars in France and also thirty Years' War (1618-1648).

Activity 4.2

A. Questions based on facts:

1. Answer the following questions:

   a.Explain What Renaissance, Reformation and Counter Reformation are.

   b.Where and when did Renaissance and Reformation begin?

2. Describe the following important personalities and what they did.

   a. Johann Gutenberg d. Michelangelo g. Martin Luther

   b. Leonardo Da Vinci e. Galileo Galilee h. Nicola Machiavelli

   c. William Shakespeare f. Nicolas Copernicus I. Ignatius Loyola

B. Things to do:

Locate the following places on the map of Europe:

- Italy
- France
- German
- Greek
- Holland
- Poland
- Rome
- England

4.3 Industrial Revolution

Competency: After studying this lesson, you will be able to

► Point out basic issues of the Industrial Revolution.

These are the words that you should try to learn for this lesson

Top four words

- Domestic
- Factory
- Industry
- Revolution

The beginning of Industrial Revolution

Startup question

How would you define the "Industrial Revolution"?

Why is it called a "Revolution"?

The Industrial Revolution was a fundamental change in the way goods were produced, from human labor in home to with machines in factory. The more efficient means of production, the higher levels of production caused far changes to industrialized societies

Stages of Industrial Revolution

Startup question

What are the differences between the first and the second industrial revolutions?

1. **The First Industrial Revolution** (1750-1870): The first phase of the Industrial Revolution consisted of the invention of the first complex machines, the building of the first factories, the development of steam as a source of power and its application to manufacturing and transportation, the expansion of the output of basic materials-coal, iron and steel and the introduction of new methods of transportation and communication.
2. **The Second Industrial Revolution (1870-still Continuing):** In the second Industrial Revolution, inventions came in greater number and brought even more extensive changes to industry and society. This phase is still continuing by consisting of the use of new sources of power electricity, petroleum, and atomic energy-which in turn makes possible new industries, the invention of newer and faster means of transportation and communication such as the airplane and radio, and the placing of space vehicles in orbit around the earth and on flights into the solar system. Mankind has entered the space age.

   Industrial Revolution Start in England because England had domestic and overseas markets, good harbors to facilitate trade, valuable raw materials, government levied relatively fair and light taxes and maintained a stable administration in a unified country.

Consequences of Industrial Revolutions

Startup question

What were the consequences of industrial revolution in social, economic and political aspects?

Economic: - expansion of world trade, factory system was expanded, mass production of goods were manufactured and increased standards of living

Political:- decline of landed aristocracy, growth and expansion of democracy, increased power of industrialized nations, and nationalism and Imperialism were stimulated.

Social: - development and growth of cities, population increases, and science and research were stimulated.

Problems: - economic insecurity, unemployment and urban slums

Activity 4.3

A. Question based on facts:

- Compare and contrast the First and Second Industrial Revolutions.
- In which country did the Industrial Revolution begin? When? Can you explain why?
- Compare and contrast the domestic and factory methods of production.
- Did the Industrial Revolution come to an end? If so, when?

B. Reading Assignment

By reading books which are discussing about industrial revolution give a short summary on the effects of industrialization on society.

4.4 The Two World Wars

Competency: After studying this lesson, you will be able to

► Write essay on major events of the two world wars;

There are the words that you should try to learn for this lesson

Top six words

- Nationalism
- Militarism
- Triple Alliance
- Imperialism
- Triple Entente
- Maginot line

More key words

- Luftwaffe
- Blitzkrieg
- Scorched earth policy

The First World War, 1914-1918

Fundamental Causes

Startup question

What were the Fundamental and immediate causes of the First World War?

The major causes were the following:

1. **Nationalism:** France was determined to recover the French in habited provinces of Alsace and Lorraine. Serbia wanted Austro-Hungarian territory to be inhabited by Yugoslav peoples. Subject nationalities Yugoslavs, Czechs, Slovaks, and Poles- sought independence, even at the price of war. Intense patriotism assured popular support for warlike measures.
2. **Imperialism:** France and Germany clashed over Morocco. Russia and Austria-Hungary were rivals in the Balkans. England and Germany, both highly industrialized, competed for imperialist control in Africa and the Middle East, and for world markets.

3. **Alliance Formation:** The Triple Alliance linked Germany with Austria-Hungary and Italy. It was signed in 1882. The Triple Entente, which was made up of Britain, France, and Russia, concluded by 1907. The increasing German aggression led to Britain and France ending their colonial differences. The rivalry between Austria-Hungary and Russia in the Balkans pushed Russia into the alliance.
4. **Militarism:** - European states produced new and automatic military equipment, allocated huge money for military purposes in their national budget and millions of young men recruited in to national armies to be prepared. Arms races also inevitably developed. The most famous of these was the rivalry in navy construction between a Germany and Britain.

Immediate Cause of World War I

Startup question

Which country did Germany invade in August 1914, causing Britain to declare war?

August 1914: War Erupts

The immediate cause of the war was the assassination of Archduke Franz Ferdinand with his wife Sophie, the heir to the Austro-Hungarian throne assassinated by a Serbian nationalist Gavrilo Princip in the Bosnian City of Sarajevo. As a result, on July 28, 1914, Austria-Hungary declared war on Serbia.

Germany declared war on Russia on August 1, 1914. Germany also declared war on France on August 3. The German plan to crush France was so quickly that it could succeed only by crossing Belgium. England declared war on Germany on August 4.

Courses of the War

Startup question

On which side did Italy fight?

Explain the contribution of the Eastern Front in the course of the war.

Eastern Front: From 1914-1917 Russia forces suffered crushing defeats, inflicted chiefly by German armies. In 1917 Russia under a Communist government, withdrew from the war in early 1918 after accepting the harsh Treaty of Brest-Litovsk.



Figure 4.5 the main actors of the war

Southern Front: By 1917 the Central Powers had overrun most of the Balkans but had won no decisive battle in Italy. In 1918 an Allied force won back much of the Balkans, and an Italian offensive compelled Austria-Hungary to surrender.

Western Front: In 1914 German armies overran Belgium and northern France until halted by desperate French and British resistance at the battle of the Marne. Then, the opposing armies dug into the ground for trench warfare; the western front became deadlocked.

In 1916 the Germans attempted to smash the Allied defenses, but they were thrown back at Verdun and the Somme. In 1918 Allied forces were reinforced by fresh American troops and unified under the command of the French Marshal Foch.

German Surrender: By late 1918 the German High Command under Generals von Hindenburg and Ludendorff realized that the German armies, although they had been still fighting on foreign soil, had lost the war. Germany took legal action for peace and on November 11, 1918, ended hostilities by accepting an armistice.

The Treaty of Versailles (1919)

Startup question

What were the decision which made by Versailles treaty? Who suffered much? Why?

The victorious countries signed different peace treaties with each of the various defeated nations, for instance by the Treaty of Versailles with Germany under the following clauses.

Territorial clauses: France regained Alsace and Lorraine, Eastern territories were annexed by Poland which caused East Prussia to become territorially isolated. Danzig, former German city was declared free, Denmark annexed northern Schleswig-Holstein, Germany lost all of its colonies and the victors annexed them.

Military clauses: Drastic limitation of the German navy and dramatic reduction of the Army (only 100,000 troops, prohibition of having tanks, aircraft and heavy artillery), demilitarization of the Rhineland region.

War Reparations: The treaty declared Germany and its allies responsible for all 'loss and damage' suffered by the Allies and as a consequence they were forced to pay war reparations to the victors.



Figure 4.6 the conference at Versailles

Results of World War I

Startup question

What were the consequences of the First World War?

1. **Social:** Almost 10 million soldiers were killed and over 20 million wounded. Millions of people died as a result of the hostilities, famine, and disease. The world was left aflame with hatred, intolerance, and extreme nationalism.
2. **Economic:** Paying for the war brought heavy taxation and lower living standards to European peoples. International trade suffered because nations raised tariffs and sought economic self-sufficiency.
3. **Political:** The United States emerged as a leading world power. Four major European dynasties were dethroned these are: the Hohenzollerns of Germany, the Hapsburgs of Austria-Hungary, and the Romanovs of Russia. The League of Nations was established to solve international problems and advance world peace.

The Second World War (1939-1945)

Startup question

What were the Axis & Allied powers?

The countries that joined the war were on one of two sides: the Axis and the Allies. The Axis Powers at the start of the war were Germany, Italy and Japan. The Allied Powers were Britain and France, In June 1941, the Soviet Union joined the Allies after Germany attacked it. On 11December 1941, four days after Japan attacked at Pearl Harbor, the United States joined the Allies.



Figure 4.7 Adolf Hitler of Germany Benito Mussolini of Italy and Emperor Hirohito of Japan Respectively

Basic Causes of the War

Startup question

What were fundamental and immediate causes of the WWII?

Totalitarianism: Japan was ruled by the military and Germany and Italy each was dominated by a Nazi and Fascist parties respectively, The Axis nations were totalitarian dictatorships.

Militarism: The Axis nations spent vast sums on armaments, devised new weapons and battle techniques, built huge military organizations, and psychologically prepared their peoples for war. They proclaimed war a glorious adventure and death for the Fatherland the highest honor.

Nationalism: Japanese Shinto teachings, Italian dreams of a revival of the Roman Empire and German "master race" doctrines all fostered a narrow and bigoted nationalism. The Axis nations considered themselves superior and destined to rule over "lesser peoples."

Imperialism: Japan expanded into Manchuria and China proper to establish Japanese dominated "New Order in Asia." Italy enlarged her African empire and planned to make the Mediterranean an "Italian lake". Germany annexed Austria and Czechoslovakia as first steps toward European domination and eventually, perhaps, world domination.

Immediate Cause of the War

On September 1, 1939, German troops invaded Poland; two days later, England and France honored their guarantee to Poland and declared war on Germany. World War II had started.

The courses of War (1939-1945)

German invasions (1939-1940)

Against Poland: German armies, employing massive air bombings and tank assaults, unleashed a new "lightning war" or blitzkrieg. Germany annexed western Poland.

Against Denmark and Norway: Nazi armies next overran neutral Denmark and Norway. Germany thus, gained valuable submarine bases on the Atlantic Ocean.

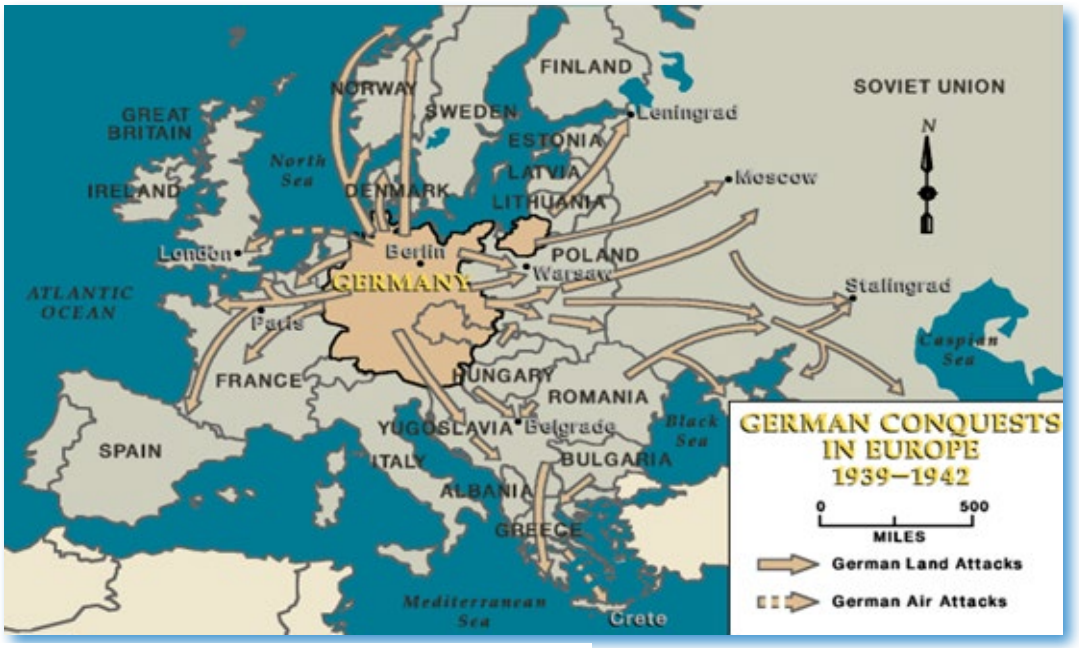


Figure 4.8 German Conquests in Europe

Against France: Nazi armies invaded northern France in 1940 by going through the plains of two countries, neutral Holland and Belgium. Nazi armies by passing the Maginot Line easily defeated the Allied defenders. The British retreated to Dunkirk and miraculously evacuated most troops to England. French resistance was collapsed, and French forces fled southward. Mussolini was so confident that victory was already won Italy entered the war. As the German forces continued their advance southward, France surrendered.

Against Britain: Hitler ordered his Luftwaffe (air force) to soften England for invasion. For three months England was subjected to devastating air attacks. The Royal Air Force (RAF), however, drove off the Luftwaffe. By maintaining control of the airlines, the

RAF compelled the Nazis to shelve their plans for an invasion of England. Instead, the Nazis turned southward, overrunning the Balkans and placing an army in North Africa to support the Italians.



Figure 4.9 Russia scorched all things

Against Russia: Hitler ordered a blitzkrieg against Russia (June, 1941) to acquire the grain, coal, and iron of the Ukraine and the oil of the Caucasus. Hitler expected a quick victory, as the Nazis occupied much territory, stretching their supply lines, but were unable to crush the Soviet armies because Soviets responded with a so called scorched earth policy, – destroy all things.



Figure 4.10 Japan attack at Pearl Harbor

Japanese Attack upon the United States: On December 7, 1941, Japan attacked upon the American naval base at Pearl Harbor, Hawaii, forcing the United States actively into the war. The Japanese government planned to destroy the United States military base and assure Japanese domination of eastern Asia. Japan's Axis partners (Germany and Italy) immediately declared war on the USA.

War in Europe (1942-1945)

Startup question

What were the reasons for the defeat of Germany in Europe?

From North Africa to Italy: In October, 1942, a British army under General Bernard Montgomery defeated the Germans and Italians at El Alamein, Egypt, and began pursuing them westward. In November, 1942, an Anglo-American army under General Dwight D. Eisenhower invaded French North Africa and moved eastward. In 1943, the Allies crossed the Mediterranean and invaded Sicily and southern Italy. Mussolini's Fascist government was collapsed, and Italy surrendered unconditionally.

Russia Counter-offensive: In early 1943, following a six-month battle, the Russians annihilated a 300,000-men Nazi army deep inside the Soviet Union at Stalingrad. Following this victory Russian armies drove the Nazis. In 1945, the Russians reached eastern Germany and stormed into Berlin.

Anglo-American Invasion of France: On June 6, 1944, American and British forces, commanded by General Eisenhower, crossed the English Channel and landed in Normandy in northern France. Finally, the Allied forces pushed back the Nazi army and drove the Germans from France.

Surrender of Germany: In 1945, Anglo-American armies crossed the Rhine River in Germany and continued to the Elbe. After Hitler committed suicide, Germany surrendered unconditionally. President Harry S. Truman, along with British Prime Minister Churchill, officially proclaimed victory in Europe on May 8, 1945-V-E Day.

War in the Pacific (1942-1945)

Startup question

What were the reasons for Japanese defeated by the Allied forces?

Allied Counter-offensive: In August, 1942, General Douglas Mac Arthur moved the Allied forces northward in offensives on the road to Japan overcoming fierce resistance.



Figure 4.11 the destruction of Nagasaki by Atomic Bomb

The Allies wanted Japan to surrender with no terms, but Japan refused. This resulted in the United States dropping two atomic bombs over Hiroshima (6 August 1945) and Nagasaki (9 August 1945). On 15 August 1945, Japan surrendered to the Allies.

Consequences of the War

Startup question

What were the consequences of the war?

1. **Economic:** The war was the most costly in history It extended military expenditures of over and caused property damage.

   European and Asian nations, ravaged by military action, faced difficult problems of economic recovery.
2. **Social:** The war was the most destructive in history, Huge number of servicemen and civilians were died and wounded. Several million refugees were uprooted by the war.
3. **Political:** Germany, Italy and Japan totalitarian systems were overthrown. The United States and Russia emerged as the major world powers. Great Britain and France declined as world powers. To preserve peace, the Allies formed a new international organization, the United Nations.

Activity 4.4

A. **Question based on facts:**

- Which event is generally considered to be the first belligerent act of WWI &WWII respectively?
- Which two countries were the first to declare war on Germany in WWI & WWII respectively?
- What was the reason for the joining of USA in the Second World War?
- Which countries were member of triple Alliance and triple Entente?
- Which dynasties were dethroned in Europe as a result of the First World War?

B. **Individual work**

- Have you ever heard about before about atomic bomb? If your answer is yes, what is it?

A. Things to do.

- Draw the map of the world on A4 size paper and show the member of
  - Triple Entente
  - Triple Alliance
  - Axis powers
  - Allied powers

B. Group discussion

- Do you agree that the death of one individual become the cause for the death of million people as the death of Archduke Francis Ferdinand? If your answer is no. why the death of him became the cause for the death of million people?
- Do you agree that all problems can be solved by war? If your answer is no, what kinds of problems can solve by war?
- Identify and discuss the three most significant factors leading to the outbreak of WWI.

4.5. The Cold War

Competency: After studying this lesson, you will be able to

► Discern the main features of the Cold War era.

There are the words that you should try to learn for this lesson

Top five words

- Glasnost
- Missiles
- Ideology
- Space
- Nuclear

More key words

- Capitalism
- Communism
- Propaganda

Two Blocs of Contending Nations

Startup question

What is meant by 'Cold War'?

The Cold War was the competition between the super powers that lasted from 1945-1991. Afer the destruction of World War II, two "super powers" the U.S. and the Soviet Union led two different blocs of contending nations: the capitalist bloc, led by the United States, and the communist bloc, led by the Soviet Union. The two blocs had fundamental differences for organizing government, society and the economy.

The cold war has been fought by propaganda, diplomacy, scientific and economic competition, and espionage.

Categorization by Ideology

Capitalist blocs:-consisted of USA, Britain, France, West Germany, South Korea and Japan

Communist blocs:-include Soviet Union, Poland, East Germany, Czechoslovakia, Hungary, Romania, Bulgaria, Albania, Cuba, North Korea, North Vietnam and China.

The Main Features of the Cold War Era

Foreign Aid

Startup questions

What were the purposes of the Truman Doctrine and Marshal plan?

Why did Russia oppose them?

The Truman Doctrine: In 1947 Greece was under attack from Communist guerilla bands, and Turkey was under pressure from Russia. In order to stop Communist expansion to the eastern Mediterranean, President Truman announced United States economic and military aid for Greece and Turkey.

The Marshall plan: In 1947, Secretary of State, George C. Marshall offered American economic aid to all European nations (including Russia and her satellites) to enable them to recover from the destruction of World War II.

Russian Opposition: Russia condemned the Marshall Plan as a scheme of American capitalists to gain economic and political control over Europe and announced that she would exert every effort to defeat the Plan. Russia and her European satellite nations refused American's offer of Marshall Plan aid. Russia initiated an economic aid program of her own, by name of **Council for Mutual Economic Assistance** (CMEA). this program competed with the Marshall Plan by bringing about closer economic relations between Russia and her satellites.

Military Alliances

Startup questions

What were the NATO & the Warsaw Pacts?

Why were they formed?

1. **The NATO Alliance:** In 1949, twelve nations strengthened themselves against Communist aggression by authorizing "an integrated military force adequate for the defense of the freedom of Europe," that is, a NATO army.
1. **Warsaw Pact:** In 1955 Russia and her European satellites formed an alliance providing for a unified Communist military command. This was designed as a counterweight to NATO, which had been strengthened by West German membership.



Figure 4.12 Member of NATO, Warsaw and non-Allied countries

Arms Race

Nuclear Energy Developments

Startup questions

What is Nuclear Weapon?

Why did Nations developed it?

Nuclear weapons are the most dangerous weapons on earth. One can destroy a whole city, potentially killing millions, and jeopardizing the natural environment nations possessing nuclear power. The United States led the way in developing nuclear energy, exploding the first atomic bomb in 1945. Other nations followed: Russia in 1949, Great Britain in 1952, France in 1960, and Communist China in 1964.

Missile Developments

Startup questions

What is Missile?
Why do nation develop it?

Missile is a flying weapon exploding when hitting target. Since World War II the United States and Russia have developed rocket propelled missiles capable of delivering conventional or nuclear missiles. The smallest are tactical missiles which are short-range, low-yield-used, for example, as battlefield artillery for close support of troops. The most significant missiles are the intermediate range ballistic missile (IRBM), the intercontinental ballistic missile (ICBM), and the antiballistic missile (ABM).

Space Competitions

Startup questions

What were the significant of Space competition?
Why did they compete?

Russia

As part of the program, the United States and Soviet Russia each announced plans to orbit rocket-launched satellites equipped with recording instruments. The Soviet Union was first to fulfill this promise. In 1957, Russian scientists placed the first man-made satellite into orbit around the earth.

America

In 1958, from Cape Canaveral (now called Cape Kennedy), Florida, the United States orbited its first satellite.

The End of the Cold War

Startup question

Who became the leader of the Soviet Union in 1985, and why did he attempt to end the Cold War?

The cold war ended as a result of the two successful meetings between President Ronald Reagan of the USA and president Mikhail Gorbachev of the USSR. Michael Gorbachev promised to improve living standards of the people and industrial efficiency of Russia, and he began to fallow a policy called ***glasnost***, in which he allowed more freedom of speech and the press. Finally by 1991, the Cold War was clearly over.



Figure 4.13 the end of the cold war

Activity 4.5

A. **Questions based on facts**

- What were the main features of the cold war?
- Which nations were the members of North Atlantic Treaty Organization and the Warsaw treaty Organization?
- Which Nation possessed Nuclear weapon for the first time?
- Mention types of missiles?
- Which country placed the first satellite into the orbit around the earth?

B. **Things to do:**

Locate the following on the world map

- Communist blocs & capitalist blocs

Summary

- In the 15th century, Portugal and Spain began the great discovery. The main factors that encouraged these discoveries were trade with the east, European interest about the Far East and scientific progress. The routes were to the Far East, tip of South Africa, East Africa, South and North Africa.
- Renaissance was a period of approximately 300 years. It began with the rediscovery of the Greco-Roman civilization. The Renaissance spread from Italy to other European countries. A well-known individual were played a pivotal role in arts, science and literature.
- Reformation was a religious movement against the Roman Catholic Church. The causes were worldliness, nepotism, simony and sale of indulgences. In 1517 Martin Luther condemned the sale of indulgences and denounced papal agents selling them in Germany, but the church tried to defend itself by the council of Trent and established the Society of Jesus.
- Industrial revolution was began in England around 1750. It has two stages. There were great achievements in machine, production, transportation, communication, and new energy sources.
- The fundamental cause of the WWI were nationalism, Imperialism, alliance formation and militarism. The immediate cause was the assassination of Archduke Ferdinand by Serbian nationalist. Finally, German and her Allies were defeated and lost many things in the Versailles treaty.
- The Second World War started by Axis powers. The fundamental causes of the war were totalitarianism, militarism, nationalism and imperialism. The immediate cause of the war was the invasion of Poland by Germany. Finally, German and her allies Italy and Japan were defeated in 1945.
- The Cold War was the war by propaganda, diplomacy, scientific, economic computation and espionage between capitalist bloc and communist bloc.

Glossary

Blitzkrieg is also called 'lightning war': - a military tactic employed by the Germans in WWII, which was especially successful in campaigns against Poland, France, and Russia.

Capitalism: - a system of economic organization, based on marketcomputation, underwhich the means of production, distribution and exchange are privately owned and directed by individuals or corporations.

Circumnavigate: - is the complete navigation around an entire island,continent, or astronomical body.

Communism: - a social and political ideology advocating that authority and property should be vested in the community.

Discover :- *find* something to be the first person to become aware of that a particular place or thing exists ·

Glasnost: - mean increased openness and transparency in government, institutions and activities in the Soviet Union (USSR).

Ideology:- is a set of beliefs or philosophies attributed to a person or group of persons,

Imperialism:-is the state policy, practice, or advocacy of extending power and dominion, especially by direct territorial acquisition or by gaining political and economic control of other territories and peoples

Luftwaffe:- (German:"air weapon") component of the German armed forces tasked with the air defense of Germany and fulfillment of the country's airpower commitments abroad

Maginot line:- a line of defensive fortifications built before World War II to protect the eastern border of France

Missiles:-an object which is forcibly propelled at a target, either by hand or from a mechanical weapon

Nepotism: - appointing relatives to church offices regardless of ability.

Ninety Five Theses: - is a list of propositions for an academic disputation written in 1517 by Martin Luther, professor of moral theology at the University of Wittenberg, Germany.

Nuclear:-is released in significant amounts in processes that affect atomic nuclei, the dense cores of atoms

Reformation:-a 16th-century movement for the reform of abuses in the Roman Church ending in the establishment of the Reformed and Protestant Churches

Renaissance: -is a term used to describe a period in European history marking the transition from the middle Ages to modernity and covering the 15th and 16th centuries.

Revolution: - a forcible overthrow of a government or social order or long lasting culture in favor of a new system.

Sale of indulgences: - accepting money for church pardons, called indulgences, without requiring true repentance. These pardons were granted to reduce punishment in the hereafter for certain sins.

Simony: -selling appointments to Church offices.

Worldliness: - he luxurious and materialistic life of certain Popes and high clergy.

REVIEW QUESTION

I. True or false item

Instruction: write true if the statement is correct or write False if it is wrong.

_____1.The Portuguese sea captain who first reached at the tip of South Africa was Prince Henry the Navigator.

_____2.The immediate reason for Luther's protest against the Catholic Church was Simony.

_____3.The Marshal plan was to limit European armaments.

_____4.The beginner of the great discovery was Portugal.

_____5.During World War I Japan was joined with Germany.

II. Matching Item

Instruction: match items in column B with items in column A.

	A		B
___	1. Vasco da Gama	A.	Romeo & Juliet
___	2. Ferdinand Magellan	B.	Mona Lisa
___	3. William Shakespeare	C.	The Society of Jesus
___	4. Leonardo da Vinci	D.	Landed at India
___	5. Ignatius Loyola	E.	Circumnavigated the World

III. Multiple Choice Item

Instruction: choose the correct answer for the following questions

_____ 1. An important feature of the Renaissance was

a. The teaching of Jesus
c. The literature of Greece & Rome
b. The discovery of new world
d. The Greece invasion of Far East

_____2. The authority of the Catholic church was strengthened by

c. the translation the Bible
c. the assassination of Catholic leaders
d. the election of new Pope
d. the Council of Trent

_____3. Which nation was the first to establish trading post in India?

a. England
c. Holland
b. Spain
d. Portugal

_____ 4. A chief reason for England's leadership in the industrial revolution was her

a. Iron & coal resources
b. Losses of her American colonies
c. Lack of good harbors
d. Nearness a large supply of cotton.

_____ 5. In a totalitarian state

a. Industry is owned by the government& individuals
b. The state controls every aspect of the lives of its people
c. The state guarantees civil liberties to royal citizen
d. A complete revolution occurs about every twenty years

IV. Fill in the blank Spaces

Instruction: fill in the blank spaces with suitable words

1. The main factors that encouraged the great discoveries were _____, _____ and _____.
2. About the year 1450, printing with movable type was invented by _____.
3. In 1917, Russia withdrew from the war after accepting the harsh treaty of _____.
4. On 6 and 9 August 1945, the USA dropped two atomic bombs over _____ and_____respectively.
5. The Russian president who ended the cold war was _____.

V. Short Answer Item

Instruction:- Give short answer to each of the following questions.

1. Why did Renaissance arise in Italy?
2. Which countries were predominantly protestant and Catholic after Reformation?
3. What were the consequences of the WWII in political aspect?
4. Why did the USA enter WWI?
5. Who were the leaders of Axis powers during WWII?

Check List

Put a tick (√) mark in each of the boxes for activities you can perform

I can

1	Discuss the process of the great geographical discoveries.	☐
2	Analyze basic issues of renaissance, reformation, and counter-reformation.	☐
3	Elaborate the essence of the industrial revolution.	☐
4	Describe the nature of the two world wars.	☐
5	Discuss main characteristics of the cold war era.	☐

UNIT 5

AFRICA SINCE THE 1500s

Learning Outcomes

At the end of this unit, learners you will able to:

- Describe the essence of slavery and slave trade;
- Explain basic issues of the colonial experience in Africa;
- Discuss the struggle of the African peoples for independence, economic and political integration.

Main contents

.5.1. Slavery and the slave trade

5.2.Colonialism in Africa

5.3.Independent African states and moves towards economic and political integration

- Summary
- Review questions

5.1 Slavery And The Slave Trade

Competencies: After studying this lesson, you will be able to:

- Develop strong sense of anti-colonialism
- Show readiness to fight against slavery and slave trade

These are the words that you should try to learn for this lesson

Top six words

- Abolition
- Amerindian
- Exploitation
- Fraternity
- Human traffic
- Voyage

More key words

- Slavery
- Trans-Atlantic slave trade
- Indigenous
- Slave
- Wooden cages
- Plantation

Startup question

What is slavery and slave trade?

Slave is a human being who is the property of another person. When Africans were captured, sold and shipped to the new world, they were enslaved for their entire lives their children also enslaved. **Slave trade is** the capturing, selling, and buying of enslaved persons.

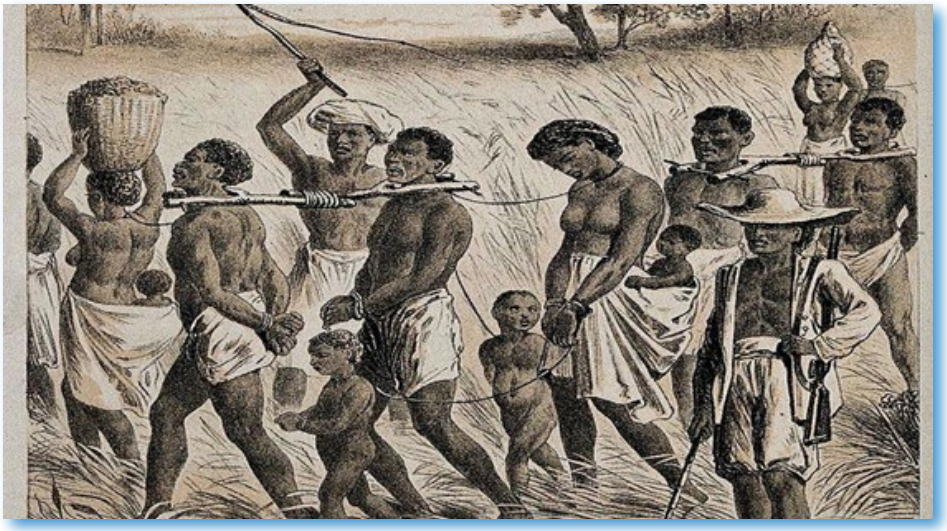


Figure 5.1 African Slaves

Actors of Slave Trade

Startup question

Which countries were the main actors in the African slave trade?

At first, the Portuguese and the Spanish were the main organizers of the trade, but by the second half of the seventeenth century the countries of north-west Europe were involved. During the eighteenth century, Britain was the foremost slave-trading power, alongside the French, the Dutch, the Portuguese, and the Spanish. All of them had colonies in the New World.

Portugal: During the 14th and early 15th centuries, the plantation system for growing sugar cane had been developed in Mediterranean islands, in southern Spain and Portugal. At the beginning, the slave labor for these plantations was drawn from North Africa and the Slavs of southern Russia.

Spain: Meanwhile, as Portuguese projects traded with West Africans and sought an eastern route to India, her neighbor, Spain was opening up the transatlantic route to the Americans and the Caribbean.

Other Europeans: From the 1630s, first the Dutch and then the French and England became got involved in the rapid expansion of sugar cane, coffee, tobacco and cotton

plantation in Brazil, in Caribbean Islands, and in the southern part of America. In most of the 17th and 18th centuries, the number and the size of plantations were constantly expanding. This meant that there was an ever-greater demand for new slaves.

The origins of Slaves

Startup question

Why did Europeans choose Africans for slavery?

The plantation owners first used the local indigenous Amerindian population, but they quickly died of the harsh treatment of the colonizer and unfamiliar European diseases. By the end of the first century of European contact, 90 percent or more of the Amerindian population of the Caribbean islands had been wiped out.

The second alternatives were criminals and outcasts from Europe who were transported to the Americas in the early 16th century, but their numbers were limited and they did not long survive attacked by tropical disease.

Faced with these problems, the European colonizers of central and South America turned to Africa for their slave labor force, because Africans had developed a certain level of immunity to some tropical diseases and also they had experience and skills in metal-working, mining and tropical agriculture. As a result the first African captives to be taken directly across the Atlantic Ocean and sold into slavery were transported in 1532.

Political and Commercial elites of Africa were the main agents of slave trade in Africa. But they rarely sold people from their own society, except unwanted criminals and outcasts. On the other hand, small societies, the weak states and 'stateless' village communities, the neighbors of the large expanding states, undoubtedly suffered greatly. Some disappeared altogether, their lands were taken over by other more powerful neighbors.



Figure 5.2 Sources of Slaves

Thus the forest state of Benin, the highlands of Sierra Leone, Guinea states of Oyo, Western Nigeria, Ashanti, Angola and Congo were slave areas of Africa. Generally, it varied from one region to another, but all areas of western sub-Saharan Africa were seriously affected during the 17th and 18th centuries.

By the rapid expansion of slave exports in the 18th century every part of the Atlantic coastline from Senegal to southern Angola got involved in the human traffic. The greatest concentration of European trading forts, were along the so-called 'Gold Coast', the coastline of the modern state of Ghana, the 'Slave Coast' (the western coast of modern Nigeria) and Angola.

The Nature of Slave Trade

Startup question

What were the natures of slave trade in Africa, the Middle Passage and the New World?

In Africa: When a person was captured in the interior and dispatched to the coast for sale, it marked the beginning of a short remaining life of terrible, humiliation and suffering. Slaves were no longer treated as human beings but rather as property, like domestic livestock. They were chained together and marched to the coast where they were locked up in wooden cages to await the arrival of the next European trading ship. They were then stripped naked, men and women together, and examined minutely to see if they were fit, strong and healthy. Once

a deal had been ended between African and European slave merchants the most terrible part of their voyage began.



Figure 5.3 voyage of African Slaves

On the Middle Passage: On board ship they were chained together in rows and forced to lie on specially constructed 'ducks' which were arranged like shelves barely half a meter one above the other. This made it impossible for a person to sit up straight or to move freely. They lay like this for weeks on end, suffering in the stretch of their own extract and urine and given barely enough food and water to keep them alive.

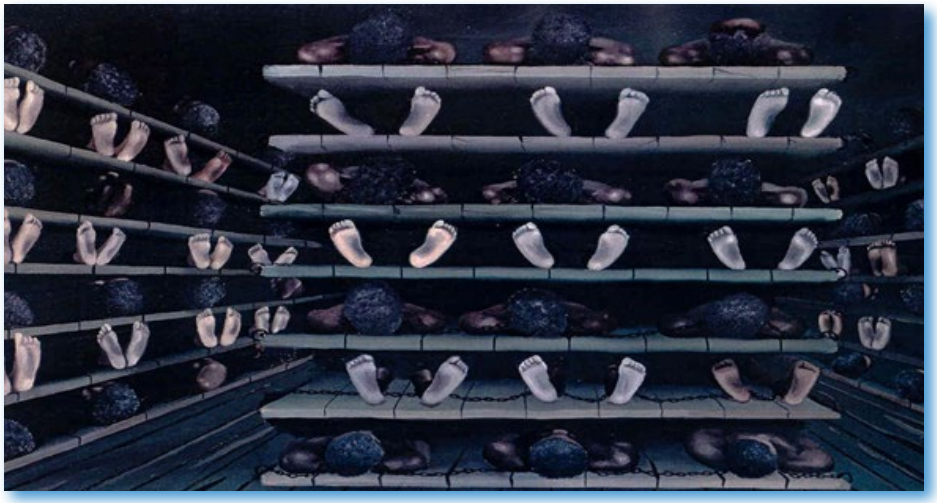


Figure 5.4 Slaves flight on the middle passage

Those that died were simply thrown overboard. On average between 15 and 30 percent could be expected to die of disease, maltreatment or exhaustion during the three to six weeks of the transatlantic crossing.

In America: Life on the plantations of the New World was hard and short. Some never survived the trauma and depression of leaving Africa and the transatlantic voyage. One third of the population died within the first three years and few survived beyond ten years. The main causes of death were underfeeding and overworking.



Figure 5.5 Slave exploitation in the New World

The Triangular Trade

Startup question

What was triangular slave trade?

Triangular Trade is trade routes between Africa, Europe and the Americas during the Atlantic Slave Trade.

From Europe to Africa: A single ship setting out from Europe completed three main stages in its voyage. The first stage carried manufactured goods from Europe to Africa. The principal European imports to Africa were cheap manufactured goods-mainly glass, cotton cloth, metal hardware and cheap and substandard guns.

From Africa to New World: slaves were sold for two or three times what they had cost on the African coast. They were sometimes sold for cash which was then used to buy plantation crops. At times, especially on the sugar-producing islands, slaves were directly bartered in exchange for sugar, which was then sold in Europe.

From New World to Europe: The main export plantations to Europe were sugar cane and coffee from Brazil, sugar cane from the Caribbean islands and tobacco and cotton from the southern part of North America.



Figure 5.6 the Triangular Trade

The Abolition of the Slave Trade

Startup question

What were the factors that led to the abolition of slave trade?

Political factor: The American War of independence against Britain (1776-83) and the French Revolution (1789) in the name of 'Liberty, Equality and Fraternity' provided important stimulation for the abolitionist cause. There was a growing belief among European intellectuals in the universal right of human beings to freedom and equality, which finally led to abolition.

Economic Factor: European manufacturers found that cheap wage labor in European factories was more efficient and less expensive than plantation slavery. As a result, the manufacturers and their bankers were soon seeking new markets abroad and they looked again at Africa. As a result, from the early 1800s onwards, Europeans and their governments began to regard Africa as a source of raw materials and a market for manufactured goods rather than simply as a source of slave labor.

Slave Resistance: From the very beginning of the slave trade, captive Africans had, to make the best of their ability and resisted their enslavement. Their attempts were often desperate and almost suicidal. In different slave owner plantation sites revolts were common. An

example of successful early revolt and resistance occurred in the French island colony of St. Dominque (modern Haiti). Under the leadership of Toussaint L'Ouverture, the slaves of St Dominque rose against and killed their white French masters in 1791 and established the independent 'Republic of Haiti' in 1803. In the 18th and early 19th centuries frequent slave revolts made the institution of slavery increasingly unsafe and expensive to maintain.



Figure5.7 slave revolt in the new world

End of slavery: Slavery was finally abolished by law in 1834 in British colonies, 1848 in French, 1860 in Cuba, 1865 in the southern United States and 1888 in Brazil. It has been estimated that a further 1.3 million Africans were transported into slavery across the Atlantic between 1807 and 1888.

Back to Africa: The foundation and growth of Sierra Leone and Liberia were direct results of the abolition of slavery and the slave trade.

To Sierra Leone: It had been founded in 1787 as a settlement of four hundred free blacks from England. It was organized by members of the British abolitionist movement. Thereafter, the Anti-Slavery troops used it as a base for settling freed blacks whom they released from captured slaving ships.

To Liberia: The neighboring settlement of Liberia was founded in 1822 by freed blacks from the USA. In 1847, they declared their colony the independent republic of 'Liberia'.

Impacts of Slave Trade

Startup question

What were the impacts of slave trade in Africa?

Africa was affected socially, politically and economically.

Socially: It is increased insecurity, distrust and high level of conflicts among African groups occurred as the Africans were capturing and selling their own people into slavery. The languages of many African tribes were mixed with European language. They lost their cultural beliefs or practices over a period of time.

Politically: It contributed to the instability, the distribution of ammunition in central and West Africa which helped with the military and political supremacy of tribes, some kings were prospered.

Economically: Africans' most important resources were robbed, humans were exploited, created insecurity and instability in the economy of Africa, it affected the agriculture and mining sectors, Strained most productive man power (at age of 15-35), and it increased dependency on European goods.

Activity 5.1

A. Answer the following questions

1. When were African slaves first brought to the Caribbean?
2. Who was responsible for the slave trade in Africa?
3. What items were shipped from Europe to Africa?
4. What were the economic factors for the abolition of slave trade?

B. **Things to do:**

Draw the map of the world into your exercise book to show

a. Monrovia	d. Congo	g. Haiti	j. Sierra Leon	m. South America,
b. Nigeria	e. Gold coast	h. Dahomy	k. Slave Coast	n. Britain,
c. Angola	f. Guinea	I. Senegal	l. West Indies	o. North America

C. Writing task

Imagine you were slave on the middle passage. Describe what your life looked like.

5.2 Colonialism In Africa

Competency: After studying this lesson, you will be able to:

► Develop strong sense of anti-colonialism

These are the words that you should try to learn for this lesson

Top five words

- Colonialism
- Conference
- Propaganda
- Partition
- Effectively occupied

More key words

- Assimilate
- Resistance
- Powerful nation
- Violent
- White Settlers
- Backward nation

Colonialism

Startup question

What is colonialism?

Colonialism refers to the fact that a backward or weaker nation is controlled by a powerful nation. The powerful nation has an advanced economy, strong government, and considerable military strength; the backward area has underdeveloped natural resources, primitive economy, weak government, and limited military power.

The causes of colonialism were the desire of European nation to provide raw materials, Markets and cheap labor force for their industry.

Partition of Africa

Startup question

What was the main purpose of the Berlin Conference of 1884-1885?

The Berlin Conference (1884-1885) was an international European agreement on the partition of Africa that was already under way. It settled two important principles. The first one recognized the Congo basin as the legitimate authority of Belgian king, Leopold. In return the king agreed to allow European traders and missionaries' free access to the area. In second principle, they agreed that European claim in Africa would be recognized by other European governments if it was 'effectively occupied' by that particular European power.

Scramble for Africa

Startup question

Which countries of Africa were colonized by European countries?

By 1914, British dominated South Africa, Rhodesia, Kenya, Uganda, Sudan and Egypt. After World War I England acquired the former German East Africa or Tanganyika.

By 1847 the French had controlled Algeria. Between 1881 and 1912 France added Tunisia, Morocco, West Africa, Equatorial Africa, and Madagascar to the French Empire.

By 1914 Germany possessed several African colonies. After Germany's defeat in WWI, these colonies were distributed as mandates: Tanganyika to England; Togoland and most of the Cameroons to France, South-West African to the Union of South Africa.

By 1914 Italy controlled Eritrea, Italian Somaliland, and Libya. In 1936 Italy attempted to colonize Ethiopia but she was defeated at the battle of Adwa. After WWII, Italy surrendered her African possessions.

Portugal retained control over the African territories of Portuguese Guinea, Angola, and Mozambique.



Figure 5.8 Africa under the foreign rule in 1914

By the early 20th century, Spain controlled Spanish Morocco, opposite Gibraltar, and Spanish Sahara on the Atlantic coast of Africa.

In 1876 King Leopold II and a group of Belgian capitalists managed to control the Congo region. But in 1908 the Belgian government took control of the Congo.Ethiopia and Liberia were the only remaining independent states in Africa.

The Nature of Colonial Administration

Startup question

What were the systems of administration used by colonialist states?

Direct rule: This means that the colonizers wanted to 'assimilate' their colonial subjects into cultural Frenchmen, without their skin color. They had full legal and political rights of French citizenship, including the right to send representatives to the French parliament in Paris. France, Germany, Portugal, Spanish and Italy used direct rule.

Indirect rule: British used a theory of colonial administration called Indirect Rule. Unlike the French, the British used Africans' law to judge local civil disputes and minor criminal cases, but not serious criminal cases or any dispute involving between European.

Consequences of Colonialism upon Africans

Startup question

What are the consequences of colonialism?

Colonialist nations drained wealth from the colonies, discouraging colonial manufacturing, exploited the native workers by requiring long hours for little pay, expected an attitude of racial and cultural superiority, discriminated against the colonial peoples and degraded their native cultures.

African Independence

Startup question

What were the forms of colonial struggle of Africans before and After the WWII?

Early Resistance to Colonial Rule in Africa 1900-1939

During this period the struggle for national liberation had three different forms.

Religious Forms: Such forms included: Kimbanguism (1921) in Belgian Congo, Kitawala Movement in East Congo, Nigro Mission Movement in Lower Congo, Watch Tower Movement in Nyasaland and the Ethiopianism movement - in South Africa after the Ethiopian victory of Adwa.

Traditional (Native) Association-These were: The Young Baganda Association in (1918) and the Bataka Association (1921) in Uganda.The Young Kikuyu Association and the Central Kikuyu Association of Kenya.

Resistance to Colonial Rule after WWII

Startup question

Which African countries got their independence through bloodiest struggle?

National liberation movement took mainly two courses: violent & non-violent.

Non-violent: in different African states independence was achieved fairly smoothly. The main reason for this was that these African states had no white settlers. For example, by 1960 all West African French colonies were achieved full independence.

Violent: as a result of the existence of white settlers the following colonies achieved their independence after violent and long armed struggle.

French colonies: after the bloodiest wars of independence against the French on July 1, 1962, Algeria became independent. The first president was Ahmed Ben Bella.

Portuguese colonies: Mozambique achieved independence in June 1975, under Samora Machel's. In November 1975, Angola became independent by Augustino Neto.

Britain: Kenya achieved its independence in 1963. Jomo Kenyatta became the first president. In March 1957, the Gold Cost achieved independence and adopted the new name, Ghana. The first president was Kwame Nkrumah. Nigeria was independent in October 1960. The first president was Nnamdi Azikwe.

Factors That Helped African Independence

Startup question

What factors helped African nations to win independence?

Africans got lessons from: World War I, USA's Influences and Communist's propaganda, effects of WWII, lesson got from Newly Independent Asian Nations, and important decision of United Nations and Changing World Attitude about colonialism were Factors that helped African independency.



Figure 5.9 African independency year

Activity 5.2

A. Question based on facts

Describe the following important personalities

- Ahmed Ben Bella
- Augustino Neto
- Kuwame Nkrumah
- SamoraMachel
- Jomo Kenyatta
- Nnamdi Azikwe

Answer the following questions

1. What decisions and rules were made during the Berlin Conference of 1884 1885?
2. What were the only two African countries to remain independent?
3. What is the difference between direct and indirect rule in the context of the colonial relationship?

B. Things to do

On a world map locate the following

a. Spain c. England e. Germany g.Portugal
b. Belgium d. France f. Italy

Lists the colonialists countries

C. Discussion

- How did Africa come together in political & economic aspect?
- Did colonialism help Africa? Argue with your class students by providing some evidences.

5.3. Independent African States and Moves towards Economic and Political Integration

Competency: after studying this lesson, learners will be able to:

► Show respect for the independence, integration, and

These are the words that you should try to learn for this lesson

Top five words

- Independent
- Organization
- Cooperation
- Integration
- Sovereignty

More key words

- Apartheid
- Harmonize
- Welfare
- Empowerment
- Global
- Charter
- Extraordinary
- Declaration
- Submit

Economic and Political Integration

Startup question

What is economic and political integration?

Political integration is a process whereby the political actors in the various states were "persuaded to shift their loyalties, expectations, and political activities towards a new center", on the other side economic integration is a process whereby countries cooperate with one another to reduce or eliminate barriers to the international flow of products, people and capital.

The Organization of Africa Union

Startup question

What is the main purpose of the African Union?

The OAU was formed in 1963 in Addis Ababa, Ethiopia, by the 32 African states that had achieved independence at the time. Additional 21 members joined gradually and made the number of the member countries a total of 53 by the time of the AU's launched in 2002. In 2011, South Sudan became the 54th Member State, and, in 2017, Morocco became the 55th Member State.



Figure 5.10 the founding fathers of OAU

The OAU's main objectives: were to: promote the unity and solidarity of African states; coordinate and intensify their cooperation and efforts to achieve a better life for the peoples of Africa, safeguard the sovereignty and territorial integrity of member states; avoid the continent from colonization and apartheid; promote international cooperation within the United Nations framework; and harmonize members' political, diplomatic, economic, educational, cultural, health, welfare, scientific, technical and defense policies.

Establishment of Africa Union

Startup question

Why was Organization of African Unity changed to African Union?

The creation of the AU shifted its focus from supporting liberation from colonialism and apartheid to Africa's development and integration. The visions for the Union included: accelerating the process of integration in Africa; supporting the empowerment of African states in the global economy; addressing the multifaceted social, economic and political problems facing the continent; and promoting peace, security, stability, democracy, good governance and human rights.



Figure 5.11 Kwame Nkrumah and Emperior Haile Selassie

The historical foundations of the African Union originated in the First Congress of Independent African States, held in Accra, Ghana, from 15th to 22nd of April, 1958. President Nkrumah of Ghana urged a strong union similar to that of the United States. He argued that, single African state can be powerful enough to stand by itself economically and militarily, and he stated that Africa must unite or die. Emperor Haile Selassie of Ethiopia pointed that we should avoid linguistic, racial, economic, and political differences - among the African nations, and recommended a loose organization. Haile Selassie's views overcame.



Figure 5.12 states of Africa

Three summits were held in the lead up to the official launch of the AU, the:

- ① **Sirte Summit**in Libya, (Extraordinary Summit 6–9 September 1999), which adopted the Sirte Declaration calling for the establishment of the AU
- ① **Lomé Summit**in Togo, (10–12 July 2000), which adopted the AU Constitutive Act
- ① **Lusaka Summit**in Zambia, (9–11 July 2001, the last OAU submit), which drew the roadmap for implementation of the AU.

The African Union (AU) was officially established on 9 July 2002 in the Durban Summit, South Africa, following a decision in September 1999 to create a new continental organization.

Africa Moves towards Economic and Political Integration

Startup question

What are the core visions of African Union?

The AU vision is: criating an integrated, prosperous and peaceful Africa, being driven by its own citizens and representing a dynamic force in the global arena. Agenda of 2063, was officially adopted by the AU Assembly. In 2015, it provides a collective vision and roadmap to build a prosperous and united Africa based on shared values and a common destiny.

Objectives of the OAU

Startup question

What are the objectives of Africa Union conserving integration and cooperation in political and economic aspects?

The Union's objectives are to:

- Achieve greater unity and solidarity between African countries and the peoples of Africa
- Accelerate the political and socio-economic integration of the continent
- Promote and defend African Common Positions on issues of interest to the continent and its peoples
- Encourage international cooperation, taking due account of the United Nations Charter and the Universal Declaration of Human Right
- Promote sustainable development at the economic, social and cultural levels as well as the integration of African economies
- Promote cooperation in all fields of human activity to raise the living standards of African peoples

Coordinate and harmonize policies between the existing and future Regional Economic Communities for the gradual attainment of the objectives of the Union

Lesson Review

A. Questions based on facts

Answer the following questions

1. When the Organization of African Unity was founded?
2. What were the main objectives of OAU?
3. What is the guiding African Union vision for Agenda 2063?
4. What were the arguments of Kwame Nkrumah and Emperor Haile Selassie

B. Choose the correct answer for the following questions.

1. The OAU was formed in
   a. Addis Ababa
   b. Monrovia
   c. Alexandria
   d. Khartoum
2. Which conference adopted the Au Constitutive Act?
   a. Lomé Summit
   b. Lusaka Summit
   c. Sirte Summit
   d. Durban Summit
3. Where was the idea of the African Union originated at
   a. Addis Ababa
   b. Monrovia
   c. Casablanca
   d. Accra

C. Discussion

In your thinking will Africa ever be united politically and economically? Write half a page and discuss with your classmates.

Summary

- During the 14th and early 15th centuries the plantation system of growing sugar cane was started by Portugal and followed by Spain, Dutch, French, and England. Those states started importing slaves from West and South West Africa to the New World.

- The Trans-Atlantic slave trade was terrible, humiliating and suffering because slaves in Africa, the Middle Passage and the New World were no longer treated as human. Gradually, because of different factors slave trade was abolished by law. However, Africa was much affected socially, politically and economically.

- Because of the need of raw material, market and cheap labor European countries, like Britain, France, Portugal, Spain, Belgium, German and Italy agreed in the Berlin conference to divided Africa for their own interests. As a result, in the early 19th century all African states were colonized except Ethiopia & Liberia.

- The colonialists administered African through direct and indirect rule. But African oppose and struggled them by established their own religious forms and tradition associations. Finally, After the WWII all African countries became independent. Then, they founded their own organization like OAU & AU. Now they move from anti-colonial movement to economic and political integration and cooperation by establishing different regional organizations.

Glossary

Amerindian: Native American

Apartheid: racial segregation against the nonwhite majority in the Republic of South Africa.

Assimilate: to turn African natives into Frenchmen by educating them in the language and culture and to make them equal French citizens

Cooperation: an act or instance of working or acting together for common purpose or benefit.

Effective occupation: if countries they had treaties with local leaders, if they flew their flag there, and if they established an administration in the territory to govern it

Exploitation: the action or fact of treating someone unfairly in order to benefit from their work

Human traffic: the use of force, fraud, or coercion to obtain some type of labor

Indigenous: relating to the earliest known inhabitants of a place.

Integration: the goal of an organized movement to break down the barriers of discrimination and segregation separating African from the rest of African society.

Partition: the invasion, occupation, division, and colonization of most of Africa by seven Western European powers

Slavery: condition in which one human being was owned by another.

The abolitionist movement: was the movement to end slavery.

Trans-Atlantic slave trade: The transportation by slave traders of various enslaved African people, mainly to the Americas.

Violent: using or involving physical force intended to hurt, damage, or kill someone or something

REVIEW QUESTIONS

I. True or False Item

Instruction: write True if the statement is correct, Write False if the statement is incorrect.

___1. Slavery was finally abolished by law in 1834 in *British colonies.*

___2. The first president of independent Algeria was *Samora Machel's.*

___3. The last African country which became the OAU member was *South Sudan.*

___4. The principal European imports to Africa during the Trans-Atlantic slave trade were *Sugar, glass and slaves.*

II. Matching Item

Instruction: match the African countries under column B with their corresponding earliest movements against colonialists under column A.

	A		B	
_____	1	Kimbanguism movement	A	South Africa
_____	2	Kitawala Movement	B	East Congo
_____	3	Nigro mission Movement	C	Ethiopia
_____	4	Watch Tower Movement	D	Nayasalanda
_____	5	Ethiopianism Movement	E	Belgian Congo
_____	6	Bataka Association	F	Uganda
_____	7	Kikuyu Association	G	Lower Congo
			H	Kenya

III. Multiple choice Item

Instruction: Choose the correct answer for the following questions.

_____ 1. The foundations of the following countries were direct results of the abolition of slavery and slave trade.

a. Angola and Nigeria
b. Sierra Leon and Liberia
c. Slave coast and Gold Coast
d. Congo and Benin

_____2. French dominated _____

a. Kenya and Mozambique
b. Tanganika and Togo
c. Morocco and Madagascar
d. Somalia and Libya

_____3. The first president of Ghana was _____

a. Nnamd Azikwe
b. Kwame Nkrumah
c. Jomo Kenyata
d. Ahmad Ben Bella

_____4. What countries in Africa did most slaves come from?

a. West Africa
b. East Africa
c. South Africa
d. North Africa

_____5. Which European state was slave trader?

a. German
b. Dutch
c. Russia
d. Italy

IV. Fill in the blank spaces

Instruction: Provide the word or expression that completes the statement correctly.

1. The Gold coast achieved independence and adopted the new name_____.
2. The OAU was formed in _____.
3. _____urged a strong Union similar to that of the United States in the first Congress of Independent African States.
4. _____summit drew the roadmap for implementation of the African Union.

V. Short Answer

Instruction: Read the following question carefully then give short answer that relates to the questions.

1. What are the economic impacts of slave trade in Africa?
2. What factors contributed to African independence?

Check List

Put a tick (√) mark in each of the boxes for activities you can perform.

Check List

I can

1	Show readiness to fight against slavery and slave trade;	☐
2	Develop strong sense of anti-colonialism	☐
3	Show respect for the independence, integration, and interaction of African peoples	☐

Unit 6

Modern History of Ethiopia

Learning Outcomes

At the end of this unit, you will able to:

- Discuss the process of modern state formation in Ethiopia;
- Sketch the location of the long distance trade route
- Analyze the relationship between Ethiopia and the outside world;
- Appreciate the efforts that Ethiopians made to defend their country from external aggression.

Main Contents

6.1 Formation of modern empire state

6.2 Long distance trade and medium of exchange

6.3 Ethiopia and the outside world

6.4 The Unity of Ethiopians in defense of their sovereignty and territorial integrity (the Ottoman Turks, the Egyptian expansion, the Mahdists, the Battle of Adwa, the fascist Italian aggression, the Somalia invasions)

- Unit summary
- Review questions

6.1. Formation of Modern Empire State

Competency: At the end of this lesson, you will be able to:

► Summarize the process of the modern Ethiopian state formation

There are words that you should try to learn for this lesson

Top five words

- Equilibrium
- Demoralized
- Proximity
- Withdraw
- Submission

- More key terms
- Vassal
- Campaign
- Depletion
- Triumphantly
- Victory
- Prolonged
- Candidate
- Incorporate

The reign of Emperor Tewodros II (1855-1868)

Startup question

Why did Ethiopia disintegrate into many parts during the Era of Princes?

Emperor Tewodros did not want to see the existence of strong vassals under him with the title of king of Ethiopia. In order to realize his vision of Unified Ethiopia under one king he defeated one major regional leader after another. On 27th Nov. 1852, he defeated Dajjach Goshu Zewude, the lord of Gojjam, at the Battle of Guramba. On 12th April, 1853, four of Ras Ali's and Dajjach Webe of Semen's high ranking vassals were also crushed at the battle of Gorgora Bichen.Ras Ali II was defeated at the Battle of Ayshal on 29 June 1853. This victory of Kassa over Ras Ali II symbolized the end of the era of princes. Only Webe remained to be removed from the way to the imperial throne. On Feb 8 1855, Kassa defeated Ras Wube at the Battle of Darasge, and immediately at Darasge Mariam church by Abuna Salama, Kassa was crowned as Emperior Tewodros II.

Tewodros did not see his victories as the fulfillment of his objective. Soon after, he turned his attention southward to Wollo and Shawa. The capture of Maqdalla on September 12 1855 ended his Wallo campaign for the time being and also the Shawan forces were defeated at the Battle of Barakat in Nov, 1855. In other areas of the empire, for example, in Gojjam and Semen, rebellion was already boiling.

Tewodros did not completely destroy all the local dynasties. He appointed Dajjach Kassa Subagadisin Tegre, Dajjach Liban Amade and Amade Aliin Wallo, Hayla-Mikael Sahla-Sellassiein Shawa. However, Tewodros was not successful to bring unified Ethiopia because the rebellions covered almost every part of his kingdom. Among these in Gojjam, Tadla Gwalu; in Walqayt, Tesso Gobeze ; in Lasta, Wag Shum Gobeze; in Shawa, Sayfu Sahla-Sellasie; in Wallo, Dajjach Liban Amade and Amade Bashir.



Figure 6.1 Emperor Tewodros II

After the death of Emperor Tewodros, Wag Shum Gobeze who had himself crowned Emperior Takla-Giyorgis got the submission of Ras Adal Tassama of Gojjam. With Menilek he agreed the Bashilo River to be the boundary between their territories.

However, like Menilek, Kassa Mercha refused to submit to his claim to the throne. Finally at the Battle of Assam, near Adwa on July 11 1871 Kassa was victorious over Tekla-Giyorgis. Six months later, on 21th January, 1872, Kassa ascended to the throne, with the name of Yohannes IV and ruled Ethiopia from 1872 to 1889.

The reign of Emperor Yohannes IV (1872-1889)

Startup question

What were the methods of Emperor Yohannes to reunify Ethiopia?

Yohannes was ready to tolerate the existence of strong regional governors with a high degree of autonomy when they recognized his superiority. During this period Menilek and

Adal Tessema had priority in his administrative policy.


Figure 6.2 Emperor Yoannes IV

After his return to shawa from Maqdala that Menilek began to challenge Emperor Yohannes by crossing the natural boundary between Shawa and Wallo and established his base at Warra Illu. But in the early 1870s, Yohannes was too busy with the Egyptians in the north to give any meaningful help to his candidate Amade Liban. So, in the late 1970's Menilek was able to get the upper hand over his rival by capturing Maqdala and imprisoned Abba Wataw and appointed Muhammad Ali as governor of Wallo.

In 1975 & 1976 Yohannes defeated the Egyptians at the battles of Gundat and Gura respectively.As a result Yohannes got the time to deal with the problem of Menilek once and for all. By the beginning of 1878, Yohannes entered deep inside Menilek's province. However, after some initial clashes Menilek was advised to submit.

After Menilek's submission,they met at Leche in the northern Shawa and made agreement on March 20, 1878. In this agreement Menilek accepted the over lordship of Yohannes, agreed to pay annual tribute to the emperor and to provide supplies for the imperial army when it passed through Shawa, renounce the title of king of kings but he was allowed to maintain the title of king. As a result, the frustration of his northward expansion opened his eyes to the south.

After the submission of Adal, Yohannes began to support him as a counterweight to Menilek. It was an attempt to discourage Menilek's expansion of the southwest, he gave his permission to Adal's expansion south of the Abbay River.On the other hand, Adal showed his loyalty to the emperor by suppressing rebellions in Bagemder and Semen in 1875-1876, while Yohannes was engaged with the Egyptians. This relationship between the two reached its highest point in 1881, when Adal was made King Takla-Haymanot and governor of Gojjam and Kaffa.

The objective of this appointment was to deprive Menilek from the resourceful region of the southwest. This policy of equilibrium was upset one year later when Menilek defeated Takla-Haimanot at the Battle of Embobo on June 6, 1882 in the present day north eastern Wallaga. This victory meant mastery of the southwest for Menilek.

The reign of Emperor Menilek II (1889-1913)

Startup question

Which states submitted to Emperor Menilek peacefully in the process of reunification? Which states were resist?

Emperor Menilek used two methods in order to unite the territories of Ethiopia. These were peaceful submission and armed resistance.



Figure 6. 3 Emperor Menilek II

The first campaigns to incorporate the Gurage and the Oromo areas conducted in the years 1875-1876. The Gurage people reacted to this attempt in two ways: peaceful submission and armed resistance. The northern Gurage or the Kestane decided to choose peaceful submission because of their geographical proximity, their religious affinity and fear of the threat of the Oromo.

The western Gurage forces were defeated only after some fierce fighting. They were led by Hasan Enjamo of Qabena. He was a serious challenge to Menilek reunification. However, when Ras Gobena, Menilek's general, took the field the resistance was broken and the movement brought to an endin 1888.

The Gibe Oromo previously the areas were occupied by King Takla Haimanot of Gojjam because Emperor Yohannes recognized Takla Haymanot's King of Gojjam and Kafa in 1881. However after the advent of Menilek's general, Ras Gobena Dache, the Oromo states began to loosen their ties with Gojjam. After the Battle of Embabo, between 1882 to

1886 Menilek able to get the peaceful submission of Kumsa Moreda of Leqa Naqamite, Joti Tullu of Leqa Qellam, Abba Jifar II of Jimma,the rulers of the surrounding Gibe river and the chiefs of Illuababora

Arsi- from 1882-1886Menilek faced the strongest resistance from the people of Arsi by using spears and arrows against firearms. Menilek personally participated in many of the battles. Finally, Arsi forces were defeated at the battle of Azule in September 1886.

Harar- came under the control of the Egyptians in 1875. But after withdrawal of Egyptians the emirate was returned to Harar, Emir Abdulahi. This Egyptian evacuation provided Menilek to control it before the European colonizer walked into the area. In April 1886, the initial campaign which was led by Menilek General Dajjach Walda Gabriel failed because many troops were deserted. Finally, Harar resistance was broken at the battle of Chalanqo on 6 January 1887.

Interruption of Reunification- the state formation process was interrupted for about seven years after the incorporation of Harar because of imperial succession and Great Famine (1888-1892).

Walayta- Emperor Menilek personally led the campaign. He was accompanied by the following important celebrities: Ras Mikael of Wallo, Fitawurari Gabayyahu, Liqa Makwas Abata Bwayalaw, Dajjach Balcha, Ras Walda Giyorgis, and Abba Jifar II of Jimma. Attacked by such a large army in different directions, the struggle of Walayta collapsed in 1894. The refusal of Kawa Tona to surrender made the cost in human lives & material very much higher. The campaign was concluded after Tona was wounded and captured.

Kaffa- it was the area where Menilek faced a similar resistance. The year 1897 brought the strongest test to its ability to defend itself from Menilek. A joint operation was organized to be led by such strong celebrities: Ras Walda Giyorgis, Dajjach Tasamma of Illuababora, Dajjach Dames of Wallaga and Abba Jufar II of Jimma

Tato Gaki Sherocho, king of Kaffa, made mass mobilization against the invading force difficult. But finally Walda-Giyorgis's army entered the capital city of the kingdom,

Andaracha, victoriously. But the king of Kaffa was able to avoid capture for about nine months but he was captured and brought to Addis Ababa as a prisoner. Ras Walda-Giyorgis became the governor of Kaffa.

Belashangul- in 1897, Ras Makonnen was accompanied by Dajjach Jote Tullu and Dajjach Kumsa Morada and reunified the sheikhdoms of Belashangul (Benishangul), Aqoldi (Asossa) and Khomosha. But they were resisted by Abd al-Rahman Khojale of Bella Shangul and Muhammad Wad Mahmud of Khomosha, but Sheikh Khojale al-Hasan of Assosa made secret links with Ras Mekonnen to submit. Finally, at the Battle of Fadogno, in 1897, Abd al Rahman was defeated and forced to flee and also Muhammad Wad Muhmud of Khomosha was defeated by Sheikh Khojale. Dajjach Dames of Walaga followed him as far as the Sudan border. After a period of imprisonment in Addis Ababa restored to their regions, Abdal Rahman Khojale and Muhammad Wad-Mahmud with the titles of dajjazmach and fitawrari respectively; Khojale al-Hasan with the traditional title of sheikh, administered their own respective areas. Finally, by 1900 Ethiopia ended the formation of Modern Empire State

Activity 6.1

A. Question based on facts

Answer the following questions in full detail.

- After the death of Emperor Tewodros II, who became king of Ethiopia?
- What were the agreement between Emperor Yohannes & Menilek?
- Why the northern Gurage submitted peacefully to Menilek?
- What were the similarities in the views of Tewodros, Yohannes Menilek in the modern state formation processes?

B. Things to do:

Draw the map of Ethiopia and locate the following places on your blank map.

a. Leqa Naqamite	d. Arsi	g. Harar	j. Showa
b. Leqa Qellam	e. Jimma	h. Walayta	k. Gojjam
c. Wallo	f. Belashangul	i. Kaffa	l. Bagameder

6.2. Long Distance Trade and Medium Of Exchange

Competency: after studying this lesson, you will be able to

► Locate the route of the long distance trade;

These are words that you should try to learn for this lesson

Top six words

- Adjacent
- Custom
- Issuance
- Passenger
- Minted
- Trade

More key terms

- Civet Musk
- Goods
- Medium

Long distance trade

Startup question

Why the long distance trade of 19th century changed its direction from north to south and eastward?

Next to land the long distance trade had been the most important sources of income for Ethiopian economy. As a result the rulers gave great attention to control of trade routes and sources of trade items.

In the late 19th and early 20th century the direction of long distance trade was changed from the northern to the south and eastward. The reasons were:

- Shawan victory over Gojjam at the Battle of Embabo which led political centrality of Shawa,
- the decline of Gondar and Matamma as a result of the Ethio-Mahdist hostilities

- the foundation and growth of Addis Ababa as the political center of the empire
- the opening of the Dijibouti-Addis Ababa railway and the establishment of Gambella as a major outlet of Ethiopian's next to Djibouti.
- the decline of the importance of the ports of Massawa and Assab because of the Italo-Ethiopian conflict of the 1890s and the elimination of the Marab Melash (Eriterea)

The route of the long distance trade

Startup question

Draw the route of long distance trade of Ethiopia.

The penetration of the adjacent colonial powers to Ethiopian economy was one of the features of Ethiopian long distance trade. Thus, the British tried to attract Ethiopian long distance trade through a number of channels.

- From South-western to Sudan via Gambella, an inland port in south-western Ethiopia.
- From Southern Ethiopia to their colonies of British East Africa, and
- From Harar region to British Somaliland.

Change of trade items

Startup question

What were the principal export and import items?

Commodities such as ivory and civet musk, which had dominated the trade in the early 19th century were progressively declined its importance. Coffee became the principal export item and cotton sheeting known as *abujedie* became importing item, much valued for clothing as well as for making tents.

Traders, the traders who controlled Ethiopia's long distance trade were mostly emigrants were Indian, Greeks, Armenians, Jewish, Benin, and Syrian. The role of national traders was limited to internal and local trade.

The birth of new towns, the completion of the railway gave the centrality of Addis Ababa and birth of the new towns: Dire Dawa, Nazareth (Adama) and Mojo. It became the chief medium for Ethiopia long distance trade. The railway was the main means of transport for both goods and passengers from Ethiopia.

Medium of exchange: The establishing of bank played great role in the minting of coins and the issuance of notes for using as a medium of exchange in the Ethiopian long distance trade. The first bank of Ethiopia was known as the Bank of Abyssinia opened in March 1905, and it started with a capital of $100,000.

Activity 6.2

A. Questions based on facts

Answer the following questions

a. Which major outlet was served next to Djibouti?

b. Which countries immigrants controlled Ethiopia's long distance trade?

c. Which towns were established after completions of the railway?

B. Things to do:

Draw the map of Ethiopia and indicate the following places then show the 20th century long distance trade route.

a. Shawa	d. Gambella	g. Massawa	j. Addis Ababa
b. Gojjam	e. Djibouti	h. Asab	k. Dassie
c. Matamma	f. Gondar	i. Harrar	l. Dangela

6.3 Ethiopia and the outside world

Competency: after studying this lesson, you will be able to

► Describe the relationship between Ethiopia and the outside world

These are the words that you should try to learn for this lesson

Top Five Words

- Abrogate
- Foundry
- Mask
- Council
- Missionary
-

More key words

- Propagation
- Delegate
- Legation
- Controversial
- Legation
- Deploy

During the reign of Emperor Tewodros II (1855-1868)

Startup question

Why Emperor Tewodros tried to establish relation with British?

Among the European countries, Emperor Tewodrose tried to establish friendly relations with Britain. Because Tewodros was interested to see arms produced in his own country. He established an arms foundry at Gafat, near his capital Dabra Tabor. The background to this plan was laid when Samuel Gobat, the Anglican Bishop of Jerusalem, made an offer to send him European missionary craftsmen. The missionaries initially refused to take up the task. As a result of the Emperor's constant pushing and arrest they were able to produce a small mortar and some bullets including the cannon called Sebastopol.

Gradually, Tewodros sought British assistance to get large number of skilled manpower to manufacture arms and to teach those skills to Ethiopians. However British government

was not interested. Latter he imprisoned those European. As a result, British government decided to send an expeditionary force in August 1867.



Figure 6.4 Tewodros at Meqedella

The expedition was led by Sir Robert Napier, the commander of 32,000 strong and well prepared forces. Due to the cooperation of Kassa Mercha of the ruler of Tegre who provided the British with everything they needed: guides, food, transport animals etc. they were able to reach Tewodros's camp at Maqdala.

The battle fought was on April 10, 1868, which was Good Friday, at Aroge, a small plain half way between Maqdala and Bashilo. Tewodros's ill-equipped army was not a match for the well-disciplined and militarily superior army of the British.

Therefore, on Saturday & Sunday he attempted to negotiate with the British to solve the problem peacefully but the response of Napier was quite unacceptable and demanded his submission to the Queen of England. On Monday, a day after the release of all the European prisoners, Tewodros committed suicide; by denying the British the satisfaction of capturing him alive and setting himself as a symbol of the independence of the Ethiopian.

During the reign of Emperor Yohannes IV (1872-1889)

Startup question

Why Kirkham addressed Yohannes's letters to European countries?

After two weeks of Egyptian invasion, in 1975 Yohannes started the most extensive diplomatic action by chosen J.C Kirkham as his special envoy. Kirkham addressed the letter to Queen Victoria, the president of France, and the Emperors of Austria, Germany, and Russia. In the letters, Yohannes accused Ismail and expressed his hope that they would assist him in recovering lands lost.

However, generally speaking, Kirkham's diplomatic mission was a failure. Because Russians showed no concern; the Germans believed that any interference in the dispute between Egypt and Ethiopia might damage their considerable commercial interests in Egypt, the French government responded by simply sending a friendly letter which had not touched the issue; and the British wrote a letter to Yohannes saying that they had received assurances from Cairo that Egypt had no intention of invading Ethiopia territory. The responses of the European countries were unacceptable to Yohannes.

During the reign of Emperor Menilek II (1889-1913)

Startup question

Why Italy signed different treaties with Ethiopia?

Contact between the Italians and Menilek dated back to 1876 when an Italian geographical mission led by Morquis Orazio Antinori arrived at Let Marafya, near Ankober. Scientific exploration was a mask for their mission, but its real purpose was gathering information for the Italian government to expand from their base at Asab. Gradually Italy signed three treaties with Ethiopia.

The first treaty was signed between the Italian representative Count Pietro Antonelli and Emperor Menilekon May 21, 1883. The agreements were: Consular exchange, free movement of people, free trade & free propagation of religion.

The second treaty came in October 1887 signed after the Italian defeat at Dogali and among preparations for revenge. As a result Italy was achieving the neutrality of Menilek in their affairs with Yohannes. As a reward for his neutrality, Menilek was promised 5,000 modern rifles. However, Menilek promised not to use the rifles against the Italians and Italy not to annex any Ethiopian territory.

The third treaty was the treaty of Wuchale which was signed on May 2, 1889 by Emperior Menilek and Count Pietro Antonolli on September 29, 1889. The most controversial agreements was Article XVII because the treaty was written and signed in both the Amharic and Italian languages. Less than two weeks the Italian government cleared its claim to the other European governments. As a result twelve European governments and the USA accepted Italian protectorate over Ethiopia. But the only country which openly protested was Russia.

In December, Menilek was advised by Alfred Ilg to inform the European governments about the issue. Finally, both of them went to war. At the battle of Adwa Italy was defeated and signed the treaty of Addis Ababa.

After the victory of Adwa external powers recognized Ethiopia's independence. As a result, in 1897, the Italians, French and British successively established their legations in Addis Ababa. In 1903, an American commercial mission also heralded a period of association with Ethiopia.

During the reign of Emperor Lej Iyyasu (1913-1916)

Startup question

What was the main purpose of Lej Iyyasu to make relation with Europeans?

At the beginning of his reign, Lej Iyyasu began to give material and moral support to Sayyid Muhammad Abdille Hasan, the Somali patriotic leader who had been challenging British and Italian colonial rule. This was more threateningly the surrounding colonial powers, particularly the British, France and the Italians. On the other hand, Lej Iyyasu made relation with German and Turkey. Both of them tried to recruit Lej Iyyasu to agitate colonial subjects to uprising against their masters Britain, France and Italy. This action of

Lej Iyyasu alarmed the Britain, France and Italy. This relation became one of the factor for his failure.

During the reign of Empress Zewditu (1916-1930)

Startup question

Why Italy support Ethiopia's entry to the League of Nations?

In 1920's Ras Tefere Mekonnen sent young Ethiopians abroad for education. The destination of most of these students was France and Egypt. Those Ethiopians who engaged in different positions after liberation belonged to this category. A smaller number found their way to Britain and the United States with one or two were going to Switzerland. All in all, a total of some 200 Ethiopians reportedly studied abroad, though government or private means before 1935.

During the early 1920's, Italy presented herself as friend of Ethiopia, especially in the diplomatic sphere Italy supported Ethiopia's entry to the League of Nations and the warm welcome extended to Ras Teferi during his visit to Rome, in 1924. The signing of the Treaty of Peace and Friendship in 1928 that best represents the highest point of the policy of reconciliation. It was carefully handled by the Italian legation in Addis Ababa.

During the reign of Emperor Haile Selassie I (1930-1974)

Startup question

What was the prime motive of USA to make relation with Ethiopia?

The diplomatic relation between Ethiopia and USA was initiated in 1903 with the arrival of the Skinner Mission to the court of Emperor Menilek II and the conclusion of a treaty of Friendship and Commerce. The pre-occupation period (1903-1935) witnessed strong commercial links; it was a diplomatic presence towards the end of 1920s. Another important aspect of this period was the employment of three American advisors by Emperor Haile Sellassie: E.A. Colson (finance), Ernest work (education) and John Spencer (foreign and legal affairs).

The cause of the relation was the dissatisfaction of Emperor Haile Sellassie by the strong control of Britain. As a result, he sought American assistance to consolidate his power after restoration. In 1943, the then vice Minister of Finance Yilma Deresa visited USA. This represented the first official contact between U.S. and Ethiopia. Military, financial and legal experts' assistances were top priorities of the Ethiopian delegates. The US government reopened its legation in Addis Ababa in 1943.

During the relation with Ethiopia USA Aid to Ethiopia were military building, establishment of Air Lines, rehabilitation of the damaged roads, repairing telegraphic services and educational improvement.

Finally, the Ethio-US relation began to decline in the early 1970's because of new political developments in Ethiopia and a shift of US interest.

During the reign of Derg (1974-1991)

Startup question

Why Ethiopia did established friendly relation with the Soviet Union?

Ethiopia established friendly relations with the Soviet Union following a 1974 uprising. In spite of the implementation of a series of radical socio-economic reforms, Moscow was fast to embrace the new regime. During this time Mengistu regime was in desperate by internal and external enemies. Most opposition groups began to wage urban guerrilla campaigns to demoralize and discredit the Derg, and Somalia regular troops tried to separate Ogaden from Ethiopia.

During the war between Ethiopia and Somalia Russia gave military equipment to Ethiopia. Over the next several months, Soviet, Cuba and Yemen military personnel arrived in the country and were deployed to the Ogaden front. Like that of the regime of Haile Selassie, the Derg gave its international image and territorial integrity the highest priority in its foreign policy.

However, Ethiopia could not escape the global impact and Mikhail Gorbachev's, the Soviet leader reforms. Finally, The Soviet leader refused to give military and economic support to Ethiopia. By late 1990, the Soviet-Ethiopian alliance had ended.

Activity 6.3

Question based on facts

Answer the following Questions:

a. Who advised Emperor Menilek to write letters to European governments after Wuchale treaty?

b. Which Wuchale Article became the immediate cause of the battle of Adwa?

c. What was the cause of Emperor Haile Selassie to make relation with USA?

d. Why Russia and Cuba helped Ethiopia during Somalia aggression?

6.4. The Unity of Ethiopians in Defense of their Sovereignty and Territorial Integrity

Competency: after studying this lesson, you will be able to:

► Value the sacrifices made by Ethiopians to protect the sovereignty of their country.

These are the words you should try to learn for this lesson

Top Five words

- Rebellion
- Negotiate
- Sultanate
- Aftermath
- Victory

More key terms

- Ratification
- Revenge
- Proposal
- Rumors
- Pretext
- Mobilization

The Ottoman Turks:

Startup question

Why did Portugal & Turk occupy Massawa and the coastal areas of Red Sea?

The early relation between Ethiopia and Ottoman Turkish was in 16th century when Portuguese occupied Massawa and made relation with Christian highland kingdom. During this time the Ottomans replied by occupying Suakin and Zeila and establishing friendly relations with the Muslims low land sultanate.

In the civil war between the Christian highland kingdom and the Muslim low land sultanate both helped their ally for their own interests. In 1557 the Ethiopian territories including the Red Sea and the port of Massawa became under the control of Ottoman Turks.

In the campaign of 1579, Sarsa Dingil crushed the rebellion of Bahr Negash Yeshaq who made relation with Turkish but he did not remove them from Massawa and the surrounding coastal regions, the Red Sea coastal areas remained under Turkish control and import and export trade activities via Massawa was almost halted.

The Egyptian expansion

Startup question

Why did Egypt invade Ethiopia?

After the rise of Muhammad Ali, Egyptian tried to invade Ethiopia in the western frontiers. But in different times Dejazmach Wube of Semen and Dejazmach Maru of Quara defeated and chased them. In 1837, Dejazmach Kinfu of Quara defeated them at a place called Wad Kaltabu inside Sudanese territory. The rebel Kassa Hailu fought against them, but he was defeated at the battle of Debarqi in 1848.

From 1869-1876, the Egyptians had long been interested in establishing control over Ethiopia. The causes were Khedive Ismail ambitious plan of empire building to control all the head waters of the Nile and to get resources to recover government financial collapse.

Egyptian preparations for the attack were under way between July and September 1875 in three directions.

From Massawa in the north Arendrup, a Danish colonel, was instructed to occupy Hamasen and tried to cross the Marab River.

From Tajura in the east, led by Warner Munzinger. But all of them were killed by Afar people including Munzinger on 14 November.

From Zeila in the south, led by Muhammad Ra'uf pasha to occupy an important trade center, Harar. As a result Ra'uf pasha left Zeila and occupied Harar on 11th of October, 1875.When the news about the occupation of Bogos reached him, Yohannes immediately returned to Adwa and sent his army along the borders then he returned to diplomacy by writing Letter to Ismail and European governments but both of them were fruitless.

The Battles of Gundat

Startup question

What were the fundamental and immediate causes of the wars?

National feeling of Emperor Yohannes to restore the lost territories of Ethiopia and access to the sea, the duties on Ethiopian imports and exports had been raised and all imports of arms and ammunition had been prevented. The refuse of Egyptian to solve the problem peacefully and Yohannes's losing of hope in the peaceful option were the fundamental causes of the war.

Colonel Arendrup, commanding an army of 2,500 crossing the Marab River and reached at Gundat on November 6, 1875 this was the immediate cause of the war. In the early morning of November 16, Ethiopians launched a surprise attack on the Egyptian advance. In this fierce fighting which took place in less than an hour the two commanders together with their 800 men were defeated at the battle of Gundat.

The Battle of Gura

Startup question

What were the consequences of the battle of Gura?

After Gundat Khedive Ismail organized 15,000 strong and well equipped with the latest weapons and military tactics army which was led by Muhammad Ratif Pasha, with the

American General Loring as second in command. On the other side Ismail planned to create internal dissatisfaction against Yohannes by writing a letter to Menilek but Menilek chose to ignore the letter.

By mid Feburary 1876, Yohanne's army crossed the Mereb River and fought the battle from 7th and 9th of March 1876 at Gura. The result was another major victory for the Ethiopians and a terrified setback for Egyptian expansionism.

The consequences were large number of Ethiopians were killed but no prisoners, a similar amount of Egyptians were killed and a large number were taken as prisoners. The Ethiopians were able to capture all the cannons and thousands of rifles. The war resulted in hastening Ismail's downfall, and bringing successive occupation of the country by Britain, enhancing Yohannes's prestige as defender of faith and country.

In the aftermath of the Battles of Gundat and Gura, the Egyptians were still in control of considerable territories in Ethiopian's northern province of the Marab Melash. So there was no peace and no war for about eight years.

The Hewett (Adwa) Peace Treaty

Startup question

Why Emperor Yohannes signed the Hewett treaty?

The Hewett or Adwa peace Treaty, named respectively after the British negotiator Rear Admiral Sir William Hewett or the place where the treaty was signed on June 3, 1884.

The two developments were the causes of the agreement. The first development was the rise of the Mahdist Movement in the Sudan which was partly religious and partly nationalist was started in 1881. They liberated the northern and central parts of the country and effectively encircled the Egyptian garrisons in the east and the second development was the occupation of Egypt by British in 1882. After this British wanted to evacuate Egyptian troops from Sudan to Massawa via Ethiopia.

The treaty contains the following articles such as

- Free transit through Massawa, to and from Ethiopia
- Bogos shall be restored to Ethiopia
- Yohannes facilitate the withdrawal of the troops to Masswa.

Aftermath of the Treaty

Startup question

What was the outcome of the Hewett treaty?

Yohannes faithfully fulfilled his obligations in facilitating the withdrawal of Egyptian troops at the cost of many Ethiopian lives, but the Egyptians did not want to give up Kasala, they did not evacuate and hand over Karan as they agreed, not allow free transit of goods to and from Ethiopia via Massawa. Finally, Britain helped Italy to control Massawa. As a result, Yohannes exchanged one weak enemy (Egypt) for two strong ones the Italy and Mahdist Sudan.

Italian Aggression

Startup question

Why Italy tried to invade Ethiopia?

Italy became a unified state in 1871. This Italian interest in the region was supported by Britain who wanted to use it as guard of its interests against its strongest rivals in the region, France.

In 1869, Italy acquired the port of Assab. The evacuation of Egyptian had also secured Zeila and Berbera for the British and Tajura for the French. Later they renamed the British and the French Somaliland respectively. On February 5, 1885, Italy formally landed at Massawa. Then the Italians from Massawa were to make an attempt to occupy the whole Ethiopia.

In late 1886, the Italians had already pushed further inland and occupy Saati, and Wia. Soon Ras Alula, the governor of the Marab Melash, sent an ultimatum to the Italians to

evacuate from Wia and Zula.

When Italy refused on January 25, 1887, he attacked the Italian positions at Saati. He was resisted but suffered considerable losses. The following day, at Dogali, between Saati and Massawa, Alula's force destroyed the Italians.

The Battle of Dogali created anger in Rome. Thus, preparations for revenge were started. About 20 million lire was allotted for the defense of occupied areas, additional 5,000 troops were sent to strengthen the existing force, construction and rehabilitation of roads and bridges was worked for future military action and motivate Menilek to rebel against Yohannes IV.

In March 1888 when the Italians had reoccupied Saati Yohannes decided to solve the issue by force and he descended to Saati. But they refused to come out from their fortified positions. He forced to withdraw his troops from Saati without achieving anything because he faced a number of problems such as shortage of supplies, the arrival of news of the Mahdist sacking of Gondar, andrumors that Menilek and Negus Takla-Haymanot were conspiring against him.

Mahdist Sudan Agression

Startup question

Why Mahdists tried to invade Ethiopia?

Cause: Yohannes's confrontation with the Mahdists was the result of his faithful implementation of the Hewett Treaty. The Ethio-Mahdist confrontation was conducted at different times.

The battle of Kufit: The Ethiopian forces led by Ras Alula and the Mahdist army commanded by Uthman Diqna met at a place called Kufit, on September 23, 1885. The battle ended with the victory of the Ethiopian forces. At the Battle about 3,000 Mahdists lost their lives while the Ethiopians lost lives about half that number.

The Battle Gute Dili: in the direction of present –day Wallaga region the Mahdists had stayed since the withdrawal of the Egyptian from the region. They were able to make

annual tax from the sheikhdoms of Asossa, Bela Shangul and Khomosha. Even as far as the Najjo area. However, they were defeated by Menilek's general Ras Gobena Dache at the Battle Gute Dili on 14 October 1888.

The battle of Sar Wuha: Mahdist forces occupied Matamma following the Egyptian evacuation. Yohannes gave the responsibility of protecting this part of the country to King Takla Haymanot of Gojjam. In January 1887, The Mahdist, led by Abu Anja, reacted by defeating Takla Haymanot's troops at Sar Wuha in Dembya. This was followed by their sacking of the historic city of Gondar.

The battle of Mattama: when Yohannes heard the devastation of Gondar he instructed Menilek to arrive the area. But Menilek arrived after the Mahdist disaster because Menilek and Takla Haimanot were agreed to work together against him. The emperor was disappointed by this. He devastated Gojjam soon after his return from Saati. But he was not tried to destroy Shawa because Yohannes knew that the Italians were arming Menilek and pushing him to attack. Fighting Menilek would mean weakening and exposing Ethiopia for two external enemies on the borders. So, he decided to attack, the less complicated of all, Mahdists. Then after, he wanted to turn to the problem of Menilek and the Italians after defeating them. But he could not have the chance to comeback from that front because he was killed at the Battle of Matamma on March 9, 1889.

The Battle of Adwa

Startup question

What was the immediate cause of the battle of Adwa?

The immediate cause of the war was article XVII of the treaty of Wuchale which was signed on May 2, 1889 by Emperior Menilek and the Italian representative Count Pietro Antonolli and ratified by King Umberto I on September 29, 1889. Grazmach Yosef was Menilek's secretary and translator at Wuchale.

The Treaty of Wuchale was written and singed in both in Amharic and Italian languages. A literal translation of the Italian version of Article XVII reads "*His Majesty the king of kings of Ethiopia consents to avail himself of the Government of His Majesty the king of Italy for*

all negotiations of affairs which he might have with other powers or governments." The Amharic version says: "የኢትዮጵያ ንጉሠ ነገሥት ከኤሮፓ ነገሥታት ለሚፈልጉት ጉዳይ ሁሉ በኢጣሊያ መንግሥት አጋዥነት መላላክ ይቻላቸዋል".

Italian Action, Less than two weeks after its ratification of the treaty, the Italian governments cleared its claim to the other European governments. As a result, twelve European governments and the USA accepted Italian protectorate over Ethiopia. The only country which openly protested was Russia.

On August 24, 1890 Emperor Menilek wrote a letter to Italy demanding that the error must be corrected, but King Umberto disregarded. In December, Menilek was advised by Alfred Ilg to inform the European governments about the issue. But European governments ignored. In February 1891 Menilek dispatched another letter to Umberto which informed Article XVII must be null and void, and that he would not accept any obligation whatsoever which limited his independence.

The Road to Adwa

Startup question

Who led the Ethiopian forces at the battle of Adwa?

By the end of 1895, diplomatic did not bring the desired results for both Menilek and the Italians. Only the military option remained. The Italians took that option in October by crossing the Marab River and occupying Addigrat. In the following weeks, Menilek mobilized his troops and accompanied by his wife Empress Taytu, marched north to meet them. His army was remarkable not only for its size but also as a powerful demonstration of national unity. During this time all region in Ethiopia sent their troops.

The Ethiopian troops were commanded by Ras Makonnen Walda Mikael, Ras Mangasha Yohannes and Negus Takla Haimanot and all of them were commanded by Emperior Menilek. Facing them were Italian columns led by Generals Vittorio Dabormida, Giuseppe Arimondi and Matteo Alebertone and all of them were commanded by General Oreste Baratieri**.** By mid-day of March 1, at the Battle of Adwa Italians were defeated and for the time being Italian colonial ambition was dead. Independent Ethiopia survived.

The Causes of Italian Defeat

Startup question

What were the causes for Italian defeat?

The causes of their defeat were faulty information, a faulty map reading and also underestimation of the Ethiopian forces. More than anybody else, the impact of Adwa was very much felt by the participants of the war. In Italy the defeat gave a moral boost to the anti-colonialist elements in the country. Shouts of "Viva Menilek!" were heard in the streets of Rome and in other major Italian cities. Nearly 100,000 people signed a petition calling for Italy's total withdrawal from Africa.

- The Prime Minister, Francisco Crispi was forced to abdicate.
- General Baratieri was brought to court for his poor command.
- The treaty of Addis Ababa was signed on 26 October 1896. The main provisions of this Treaty were
  - The abrogation of the Treaty of Wuchale
  - Italian recognition of the absolute independence of Ethiopia
  - The repatriation of the Italian prisoners and
  - The Italian colony of Eritrea was left future negotiation.

The Italo-Ethiopian War of 1935-1936

Startup question

Why were the fundamental and immediate causes of the second Italian invasion?

The coming of Benito Mussolini who was dictator ruler of Italy who want to revenge the humiliating defeat at Adwa and Economic benefit which means the need of raw materials, market and settlement areas for their citizens were the fundamental causes of the war.

A pretext took place on December 5, 1934. On that day Ethiopian and Italian troops clashed at Wal Wal, in Ogaden because of Italian army infiltrated in to the area. As a result, the Italians demanded Ethiopia's official apology and pay compensation. Ethiopia tried to solve the dispute in peaceful arbitration and appealed to the League of Nations.

Courses of the war

The Northern Front

Startup question

Who were the leaders of Ethiopian forces in the northern front?

On October 3, 1935 Italian colonial army commanded by Emilio De Bono crossed the Mereb River. On October 5 he stormed Adigrat. On the next day, Adwa was bombarded in an act of revenge. On November 8, the strategic town of Meqalle was occupied. In spite of this, Mussolini was dissatisfied with De Bono's slow advance. Thus on November 12, Mussolini replaced him by Marshal Pietro Badoglio.



Figure 6.5 Ethiopian Patriots

Ethiopian Counter Offensive in the North

Startup question

Who were the leaders of Ethiopian patriots in the north?

The Ethiopian counter offensive staged along three fronts. Ras Mulugeta Yigezu led the Eastern most columns. Ras Seyum Mengesha and Ras Kassa Haylu led the center and Ras Emeru Haile Sellassie led the western side.

The First battle of Temben: The Italian won at a considerable human and material cost. After cracking down the Ethiopian counter offensive and feeding on its outcome, Badoglio turned his face to the Eastern column commanded by Ras Mulugeta.

The Battle of Amba Aradom: The Temben confrontation, led to the Battle of Amba Aradom where Mulugeta's forces were crushed by heavy artillery and air bombardment. Ras Mulugeta, lost his life in the course of a confused retreat. After this Badoglio decided to clear up the central forces of Ras Kassa, who arrived late.

The Second Battle of Tembien: the Ethiopian army was trapped by the two branches of the Italian army. As a result the central column was collapsed. Its leaders nearly escaped the encircling plans of the Italian army.

The battle of Shire: it was the western column that launched the counter offensive. In fact the forces of Ras Imru was able to score a great victory over an army of colonial soldiers (askaries) commanded by Major Luigi Crinti on December 15, 1935 at Endabaguna.

The Battle of Maichew: the confrontation at Maichew took place on March 31, 1936. It was a symbolic because Emperor Haile Selassie personally participated and he saw horrors mainly due to more use of mustard gas. The Imperial body guard and the survivors of the armies of Ras Kassa and Seyum meet the fascist at Maichew, but the Ethiopian were Smashed and retreated to Lake Ashenge in haste. The Italian air craft's chased, hunted and massacred the retreating army of Ethiopia. Finally On May 5th, 1936, the armies of Fascist Italy, led by Marshal Pietro Badoglio marched into Addis Ababa and occupied the city.

The South and South Eastern Front

Startup question

Who were the leaders of Ethiopian forces in the south and south eastern front?

Considerable fighting also took place to the south and south-east of the country. The fascists were commanded by Rodolfo Graziani, who had earlier served in Italian North Africa, where he had earned the nickname, 'Hyena of Libya'. He was opposed in the south by two of the Emperor's sons-in-law, Ras Dasta Damtaw and Dejazmach Bayana Mared, and in the southeast by the governor of Harar, Dajazmach Nasibu Za-Amanuel.

Some of the severest fighting was played at Qorahe, a strategic Ethiopian post in southern Ogaden. One of the most heroic acts on the Ethiopian side was played by Grazmach Afawarq Walda Samayat, but after Afawarq's death, Qorahe soon fell, on November 7. Italian forces then proceeded to capture Negelli, and later several posts in Ogaden. However, Graziani failed to reach Harar until Badoglio's capture of Addis Ababa.

Factors for Ethiopian Defeat: However, the counter offensive was ineffective from the very beginning because of: lack of coordination and communication, rivalry among the leaders, Italian heavy artillery and air bombardment, Italian well entrenched fortification and the Italians technical superiority. These were the factors for Ethiopian defeat.

The Geneva Conference

Startup question

What was the decision of the League of Nations for the Emperor appeal?

After the battle of Maichew the Emperor returned to Addis Ababa on April 30, 1936 and left the city on May 2. He was accompanied by his family and several of his closest associates. On June 30, 1936, he made his way to Geneva to address the League of Nations. In his speech, he outlined in considerable detail of the crimes committed by the invaders against his people and asked the delegates the forceful question, "What answer am I to take back to my people?" His quiet dignity made a deep impact on international opinion. The League's answer was, however, to vote, on July 4, for the ending of sanctions.



Figure 6.6 Ethiopian Female Patriots

Consequences

Startup question

What were the consequences of Ethiopian defeat by Fascist Italy?

Political, Benito Mussolini declared that "Ethiopia is the colony of Italian", the King of Italy proclaimed him Vittorio Emmanuelle, king of Italy and Emperor of Ethiopia, Mussolini appointed Badoglio as the Vice-Roy (Vice-re) of "Africa Orientale Italiana" or Italian East Africa, combine Ethiopia with the Italian colonies of Somaliland and Eritrea, the title of king of kings of Ethiopia was replaced by Caesar of Ethiopia and The Italian flag was raised over the palace of Menilek.

The Patriotic Resistance (1936-1941)

First Phase (Summer 1936)

Startup question

Who were the prominent leaders of Ethiopian patriots in first phase of struggle?

Ras Emeru Haile Sellassie, he was appointed as acting head of the Provisional Government of Ethiopia at Gore and also he was leader of the Black Lion, which led by Lieutenant Colonels Belay Haileab, Kifle Nesibu and Ketemma Beshah before Ras Imeru returned

from Shire Front. But after months of difficult stay in south western Ethiopia, Ras Imiru's troops were defeated and forced to surrender near the Gojeb River.

Ras Desta Damtew, he was one of the leader in the southern front but he was defeated at the battle of Dolo Odo and Genale Dorya. After months, Ras Desta was caught at Gogeti- a village.In Gurage- in Feb. 1937 he was executed at Butajira.

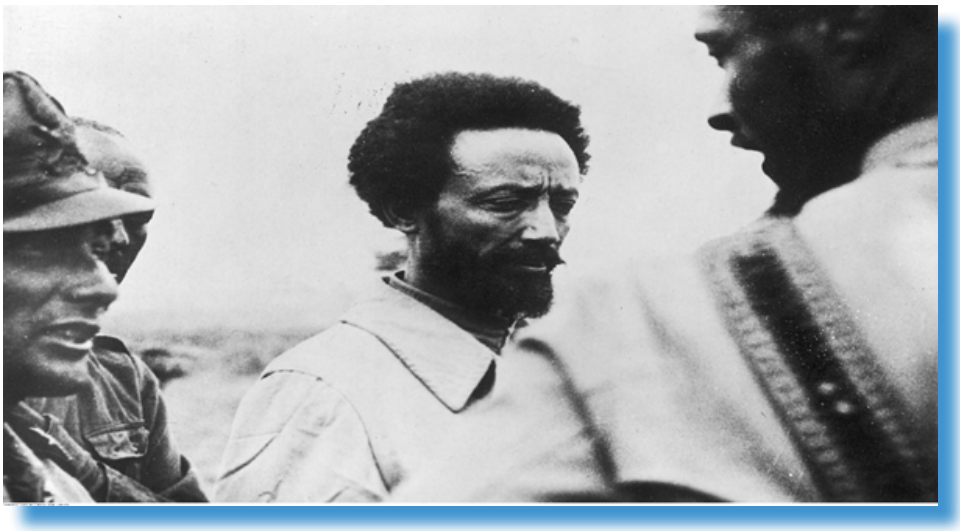


Figure 6.7 the death of Ras Deseta Damtew

Dejjazmach Gebre Mariam Gari, he led his force on the south direction.

The Abortive Attack on Addis Ababa

Startup question

Which direction patriots used to liberate Addis Ababa?

North: led by sons of Ras Kassa, Abera and Asfa-Wossen, became famous for taking part in the abortive attack on Addis Ababa from the north of Addis Ababa. They were defeated and retreated to Selale. Finally they were persuaded by Ras Hailu Tekle Haymanot, the leading fascist collaborator, who promised them they were not be killed. They surrendered to the fascists. Finally, after surrender the two brothers were killed.

South: led by Dejjazmach Balcha Safo, an old hero of Adwa from the south; but he was killed while fighting the fascists in the southern part of Addis Ababa. At the place he was killed, a memorial hospital constructed.

Northwest: led by Ras Abebe Aragay

East: led by Dejjazmach Fiqre-Mariyam YinaduAbuna Petros, an outspoken anti-fascist

patriot, was a moving spirit behind the plan. But he was caught and publicly executed. It was unsuccessful because the attack was poorly planned and lacked coordination.

The Second Phase (February 1937)

Startup question

Why Abraha Deboch and Moges Asgdom attempted to kill Marshal Graziani?

Abraha Deboch and Moges Asgdom: attempted to kill Marshal Graziani, the Viceroy, on 19 February 1937 when a public gathering called at the Genete Le'ul palace (present day Addis Ababa University) to celebrate the birthday of an Italian prince, they threw a bomb at Marshal Graziani and other colonial officials. The explosion wounded Graziani and killed some Italian officials. Then, it was followed by the wholesale killing in and around Addis Ababa. The killing continued for three days. About 30,000 peoples and 499 monks at Debra Libanos monastery were massacred.

The Graziani Massacre resulted in the outbreak of a country-wide anti-fascist patriotic resistance of the second phase. The prominent leaders of patriots were Ras Ababa Aregay, Bekele Woya, Gersu Duki, Abuna Petros,Belay Zeleke, Jagama Kelo, Amoraw Wubneh and Takele W/Hawariat. Zerai Deres and Abdissa Aga, They attacked by ambushing enemy convoys, cutting communication lines, looting properties of collaborators.

Women patriot such as Shewarged Gedle(internal patriot) and others played a great role.



Figure 6.8 Patriot Shewareged Gedele

The War of Liberation

Startup question

Why British wanted to help Ethiopia in the liberation struggle against Fascist Italy?

The cause of British support against Italy in Ethiopia was the Italy's entry into the WWII on the side of Hitler. This became a serious danger to British interests in East Africa. The three directions of the liberation mission were

The northern Front: it was led by General William Platt. He defeated the Italians in Eritrea especially at the decisive Battle of Keren,

The Western Front: led by Colonel Dan Sanford and Major Orde Charles Wingate led the Gideon Force accompanied the Emperor and triumphantly entered Addis Ababa. This was on May 5, 1941 the day currently observed as victory Day throughout Ethiopia every year.

Southern Front from Kenya: led by General Cunningham. This British led force entered Addis Ababa on April 6, 1941 a month before the emperor's entry.

Somalia Aggression

Startup question

What were the basic and immediate causes of Somalia Aggression?

Fundamental Cause: the first cause was Somalia extreme nationalist leader's ambition to build greater Somalia and adopted a flag with a five-pointed star symbolizing the five territories which Greater Somalia wanted to possess. These are Italian Somaliland, British Somaliland, French Somaliland, the Ogaden and the Northern Frontier District (N.F.D) in Kenya. The second was the Rejection of all treaties by Somalia; it rejected treaties signed before Somalia emerged as an independent state.

Immediate cause: the election of Siyad Barre and his effort to control the Ogaden as far as Derie Dawa.

Courses: the Somali leaders began a series of clashes along the 1600 km Ethio-Somali border as early as 1964. The purpose were to internationalized the boundary issue, gain

sympathy for the cause of Greater Somalia and re-direct the inter-clan conflicts towards the issue of national unity. But the conflict was ended when Somalia and Ethiopia issued a declaration in Khartoum. After this Somalia leaders appealed to UN Security Council, OAU and Muslim Arab Forum, but they got nothing. Finally, the coming of Siyad Barre through coup d'état aggravated the situation.

The most devastating aspect of struggle between the two countries was the 1977 War. By taking advantage of the weakened Ethiopian state, Siaad Barre attempt to take Ogaden from Ethiopia forcibly, the Siaad Barre army seized the Ogaden region. A war was to reclaim the Ogaden for Somalia. Russia, which was the Cold War ally of Barre, opposed his action and provided assistance to Ethiopia. In the subsequent war, Ethiopian forces by the support of Russia and Cuba reversed the invasion, and the Somalia army was unable to win and suffered a huge defeat at the battle of Kara Mara.

Consequences, Somalia was defeated, huge number of human life and materials were destroyed, the plan of greater Somalia was terminated.

Activity

A. Questions based on facts

Answer the following questions:

- Who protected Ethiopia from Egyptian invasion in the second quarter of 19th century?
- Who led Egyptian invader forces from Massawa? Tajura? Zeila?
- What were the provisions of Addis Ababa treaty?
- Why Russia and Cuba helped Ethiopia during Somalia aggression?

B. Things to do

1. Locate the places below on the map of Ethiopia.

a. Massawa	d.Kufit	g. Assab	j. Adwa
b. Gundat	e. Sar Wuha	h. Mattama	k. Wal Wal
c. Gura saati	f. Guti Dili	i. Wia	l. Ogaden

2. Why is patriotism important today? What are the top best qualities of a patriot? (Discuss with your classmate.)

Summary

- During the era of the princes, Ethiopia was disintegrated in to many regions. As a result of this, Emperor Tewodros II, Emperor Yohannes IV, Menilek II attempted to reunify Ethiopia by defeating different regional lords.

- In early 20th century, the direction of long distance trade was changed from the northern to the south and eastward. The route was from south western to Sudan via Gambella, from Southern Ethiopia to Kenya and British Somaliland and from Harar to British Somali Land.

- Among the European countries, Emperor Tewodros II tried to establish friendly relation with British. Emperor Yohannes IV as result of his diplomatic relation dispatched letters to British, France, Austria, Germany and Russia after Egyptian invasion. Emperor Menilek II had diplomatic relation with Italy, French, British and America. Lej Eyasu made relation with Somalia patriotic leader, Germany and Turkey. During the reign of Emperor Haile Selassie I the diplomatic relation between Ethiopia and USA was restarted in 1943. Russia had diplomatic relation with Ethiopia during the reign of Derg.

- The Egyptian had long been interested in establishing control over Ethiopia from 1869 to 1876. During this time the forces of Khedive Ismail were defeated at the battles of Gundat & Gura. Another enemy of Ethiopia was Italy. It was defeated at the battle of Saati, Wia, Dogali and Adwa. Mahdist Sudan was defeated at the battle of Kufit, Gute Dili and Mattama. After her defeat at the battle of Adwa Italy tried to invade Ethiopia and stayed for about five years. However, 1941 by the help of British, Italy was chased from Ethiopia. In the second half of 20th century Somalia invaded Ethiopia but her forces were crushed.

Glossary

Aftermath: the consequences or after-effects of a significant unpleasant event.

Campaign: a series of military operations intended to achieve a particular objective, confined to a particular area, or involving a specified type of fighting

Candidate: a person who applies for a job or is nominated for election.

Council: an advisory, deliberative, or administrative body of people formally constituted and meeting regularly.

Delegate: a person sent or authorized to represent others, in particular an elected representative sent to a conference

Depletion: reduction in the number or quantity of something.

Foundry: a workshop or factory for casting metal.

Legation: a diplomatic mission in a foreign country headed by a minister.

Mobilization: the action of a country or its government preparing and organizing troops for active service.

Negotiate: a strategic discussion that resolves an issue in a way that both parties find acceptable.

Pretext: a reason given in justification of a course of action that is not the real reason.

Prolonged: continuing for a long time or longer than usual, lengthy

Propagation: the action of widely spreading and promoting an idea, theory, etc

Proximity: nearness in space, time, or relationship.

Ratification: the action of signing or giving formal consent to a treaty, contract, or agreement, making it officially valid.

Revenge: the action of hurting or harming someone in return for an injury or wrong suffered at their hands

Submission: the action of accepting or yielding to a superior force or to the will or authority of another person.

Triumphantly in a way that shows great happiness or joy at a victory or achievement

Unit 6: Review Questions

I. True or False Item

Instruction: write True if the statement is correct or write False if it is wrong.

____1. Kawo Tona was the last king of Kaffa who surrendered to Menilek's rule in 1897.
____2. The final battle between Italy and Ethiopia took place at Adwa.
____3. In the process of Southward expansion Emperor Menilek met a stiff resistance from Kaffa.
____4. The objective of the Italian Geographical society mission was to sell arms to Menilek.
____5. Ethiopia was admitted into the League of Nations in 1923.

II. Matching Item

Instruction: match the **names of Ethiopian war leaders who defeated foreign enemies** under column B with the **battle places** under column A.

A		B	
_____1.	The Battle of Wada Kaltabu	A.	Ras Gobena
_____2.	The Battle of Adwa	B.	Ras Alula
_____3.	The Battle of Dogali	C.	Colonel Mengestu
_____4.	The Battle of Gura & Gundat	D.	Emperor Menilek
_____5.	The Battle of Karama	E.	Dejach Kenfu
_____6.	The Battle of Guti dili	F.	Emperor Yohannes

III. Multiple choice Items

Instruction: choose the correct answer for the following questions

____1. The Emir who defeated at the battle of Chelenqo was_____

a. Emir Abdulahi
b. Emir Nur
c. Emir Ali Dawud
d. Emir Mahfuz

____2. The bloody battle that was fought between Mahdist Sudan & and King Tekle Haimanot was the battle of _____

a. Azule
b. Embobo
c. Kufit
d. Sar Wuha

____3. What was the major cause of the Ethio-Somalia war of 1977-1978?_____

a. Somalia territorial ambition
b. The growth of Islamic Fundamentalism in Somalia
c. The fake alliance between Ethiopia & Russia
d. Encouragement of Somalia by USA

____4. The most basic cause of Fascist aggression against Ethiopia was_____

a. The Wal Wal incident
b. Advise of Britain
c. Revenge for Adwa
d. The ambition of Italian Soldiers

____5. The treaty that was signed between Menilek II and Antonelli of Italy in October 1883 was the_____

a. Hewett Treaty
b. Treaty of Wuchale
c. Treaty of Friendship and Commerce
d. Convention of Neutrality

IV. Fill in the blank Spaces

Instruction: Provide the word or expression that completes the statement correctly.

1. The oWverall Italian army commander at the battle of Adwa was _____.
2. Ethiopia was admitted in to the League of Nations in _____.
3. After the occupation Addis Ababa by Italy, the resistance effort moved its base of operation to_____.
4. _____ and _____attempted to kill Marshal Graziani on 19 Feb 1937.
5. The immediate cause of Fascist aggression was _____

.

V. Short Answers

Instruction: Read the following questions carefully then give short answer that relates to the questions.

1. Why Emperor Haile Selassie went to Europe when the Italian aggression going on?
2. Which countries helped Ethiopia in their war against Somalia?
3. Why did Egypt, Italy and Sudan try to invade Ethiopia?

Check List

Put a tick (√) mark in each of the boxes for activities you can perform.

I can

1. Summarize the process of the modern Ethiopian state formation ☐
2. Locate the route of the long distance trade; ☐
3. Describe the relationship between Ethiopia and the outside world; ☐
4. Value the sacrifices made by Ethiopians to protect the sovereignty of their country ☐

UNIT 7

CONTEMPORARY GLOBAL ISSUES

Learning Outcomes

At the end of this unit learners will be able to:

- Evaluate the implications of climate change on peoples‟ life and physical environment;
- Produce reports on locally available indigenous knowledge helping to protect the environment;
- Value the work of those who provide care and support to people who participate in environmental protection / green legacy.

Unit Organization

7.1. Climate Change
- 7.1.1 The idea of Climate change
- 7.1.2 Causes and effects of climate change
- 7.1.3 The development of climate actions
- 7.1.4 Case studies on issues in their locality
- 7.1.5 Air pollution

7.2 Water shortage /Scarcity
7.3 Deforestation

- Summary
- Review questions

7.1 Climate Change

Competency: At the end of this lesson, you will be able to:

► Evaluate the causes and implications of climate change on human life.

These are the words ~~that~~ you should try learn for this lesson

Top 10 Key Terms

- Climate
- Climate change
- Hydrological cycle
- Desertification
- Drought
- Global warming
- Greenhouse effect
- Oceans
- Weather
- Urbanization

More Key Terms

- Acid rain
- Famine
- Nuclear war

Startup Questions

~~Define climate~~

What is climate change?

What are the causes of climate change?

~~**Climate** is the average weather conditions that persist over multiple decades or longer. While the weather can change in minutes or hours, identifying a change in climate has required observations over a time period of decades to centuries or longer.~~

7.1.1 The idea of Climate change

Climate change refers to the long-term changes in global temperatures and other characteristics of the atmosphere. Global temperature is ~~warming~~, weather patterns are changing, polar ice is melting, and sea level is rising. Climate has changed throughout Earth's long history, but this time it's different. Climate change is a particular apparent from the mid to late 20th century onwards and attributed largely to the increased levels

of atmospheric carbon dioxide produced by the use of fossil fuels. ~~It encompasses: both increasing and decreasing of temperature as well as shifting in precipitation, changing risks of certain types of severe weather events, and changing to other features of the climate system~~

~~Causes and Effects of Climate Change~~

Startup questions

Why does the world climate change constantly?

What are the main causes of climate changes? Here you may take the example of your own home area (Addis Ababa)

Do you see some evidences for climate change in your locality? List some harmful effects of climate change on physical and human environments.

Think of the climate of Addis Ababa and compare it with the climate of its surrounding rural area like Entoto, Yerer, Wechecha etc. Do you notice changes in climate? Why is there such a climate change between urban and rural area?

7.1.2 Causes of Climate Change

~~Climate is dynamic. Some changes in climate are minor and unnoticed others such as, droughts or storms affect the lives of millions of people in many ways. Therefore, the effect of such climatic changes is easily observed. Generally,~~ there are different factors responsible for climate changes. They include both **human** and **natural** factors. These factors are discussed as follow: -

A. Urbanization: - Cities are warmer and more polluted than the countryside. For example, in rural area, a large part of the incoming solar energy evaporates water from vegetation and soil. Whereas, in cities, much of the sun's heat is absorbed by building asphalted roads.

B.Global warming: - Global warming is a gradual increase in the earth's temperature generally due to the greenhouse effect caused by increased levels of carbon dioxide, CFCs, and other pollutants. Global warming is one of the factors that cause climate change.

Focus

Major Greenhouse Gases

- ~~Fossil fuels and deforestation~~
- Chlorofluorocarbons(CFCs):refrigerants, aerosols, foams,
- ~~Pro-pellants, and solvents~~
- Methane, CH_4:animal waste, biomass burning, fossil fuels, landfills, livestock, rice paddies, sewage, and wetlands
- Nitrous Oxide, N_2O:biomass burning, deforestation, burning of fossil fuels, and microbial activity on fertilizers in the soil
- Water vapor, H_2O: evaporation, plant respiration

Human activities, primarily fossil fuel burning, ~~which~~ increases heat-trapping greenhouse gas levels in Earth's atmosphere**.** Carbon dioxide and water vapor in the atmosphere trap heat energy from the sun. This process is called **Greenhouse effect**. The greenhouse effect is a natural process that warms the Earth's surface, ~~The Earth is similar to a greenhouse.~~ The Earth's atmosphere acts like the glass in a greenhouse. The major greenhouse gases are water vapor, carbon dioxide, chlorofluorocarbons, methane, and nitrous oxide. Of these, water vapor and carbon dioxide play a great role for most of the absorption of heat that occurs in the atmosphere.

C. **Nuclear war**: a nuclear war would rise an enormous of thick smoke from massive fires that would burn for days, even weeks following an attack. The smoke would move higher into the atmosphere and increase earth's temperature.

D. **Ozone Layer Depletion**

In your previous grade you have seen ozone layer depletion as a factor of global warming. In this lesson you will see ozone layer depletion as human-made causes of climate change.

The ozone layer is found in the stratosphere. It is a layer of gas which absorbs much of the sun's ultraviolent radiation, preventing it from reaching the earth. Scientists have found that gases called CFCs (Chlorofluorocarbons) destroy ozone gas. They are used in refrigerators and aviation. Holes have been discovered in the ozone layer above the Arctic circle and Antarctica. Had it not been for ozone layer, our planet would have been without life.

E. **Acid rain:** coal and oil release a mixture of gases as they burn. These gases are combined with water vapor, sunlight and oxygen to form sulphuric acid and nitric acid, which fall

back to earth as acid rain. This rain can kill plants and fish, leach nutrients from the soil, damage buildings, and reduce agricultural and forest productivity.

Natural factors responsible for climate change

Startup Questions

What are the naturally induced factors responsible for global climate change?

There are a number of factors that are responsible for climate change. A few of these factors are mentioned below: -

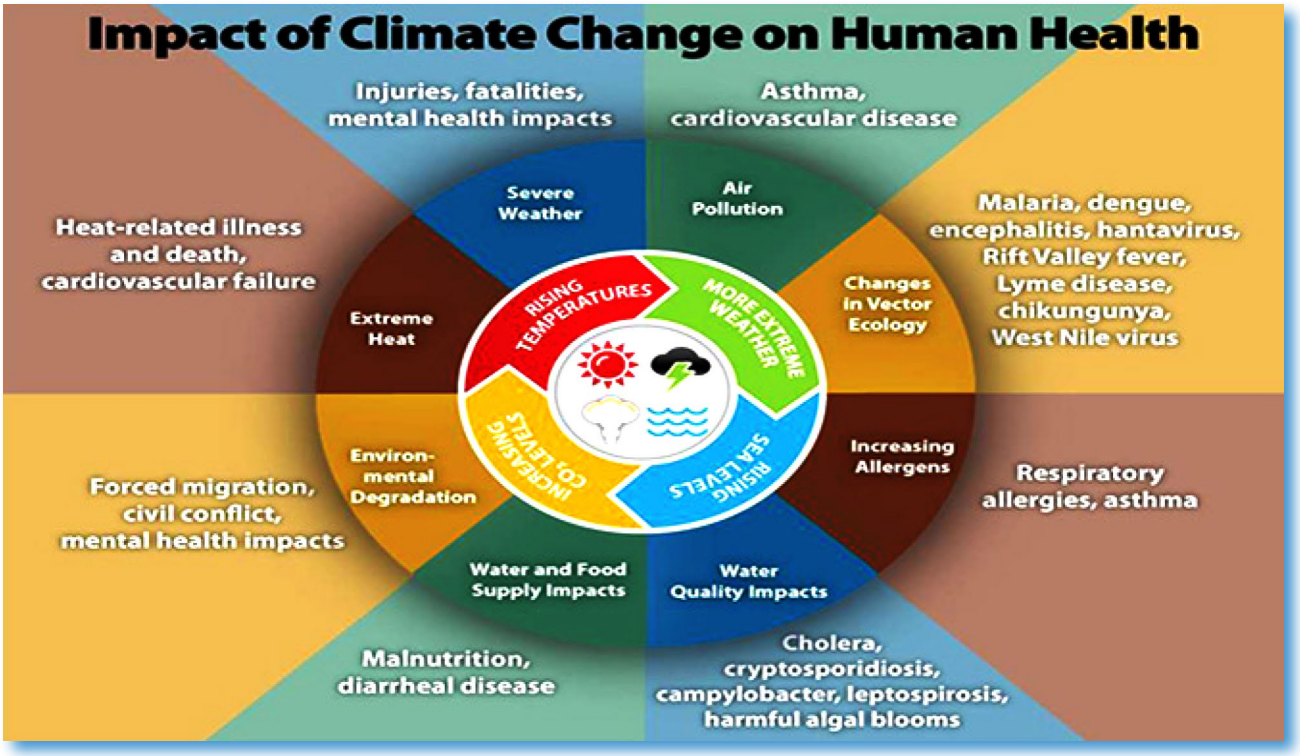
A. **Oceans: -** The oceans play a major role in the formation of world climate system. They are huge storehouse for carbon dioxide. The oceans also store heat energy. Because of this, the oceans can determine the global pattern and speed of climate change.

B. **Clouds: -** Clouds also reflect incoming sunlight and absorb infrared radiation from the earth. Because of this clouds have both cooling and warming effects on the earth's climate.

Effects of Climate Change on human life and the physical environment

Human health has always been influenced by climate and weather. Changes in climate and climate variability affect the environment that provides us with clean air, food, water, shelter, and security.

Climate change threatens human health and well-being in numerous ways**.** The health effects of these disruptions include: increased respiratory and cardiovascular disease, injuries and premature deaths related to extreme weather events, ~~changes in the prevalence and geographical distribution of food- and water-borne illnesses and other~~ infectious diseases, and threats to mental health.



Climate affects every aspect of life forms, such as plants, animals and humans. All living things could survive best under favorable climatic conditions. Any unfavorable change in climates may result in destruction of species. The following are some of the effects of climate change: -

A. **Desertification**: Desertification refers to the persistent degradation of dry land ecosystems by climatic variations and human activities**.**
B. **Droughts, famines and starvations**: result in an extensive damage to plants, crops and animals as well as the death of millions of people.
C. **A rise in the sea-level**: as alpine glaciers begin to recede, polar ice melts, and the oceans expand as they slowly warm. Rising ocean levels might have a damaging influence on coastal marine life. In addition, coastal ground water supplies might become contaminated with salt water.
D. **Loss of biodiversity**: extinction and extermination of plants and animals of the world.
E. **Hydrological cycle**: the 'normal' process of hydrological cycle would be disrupted by global warming.

Activity 7.1

A. Define the following terms

1. Climate change
2. Global warming
3. Drought
4. Greenhouse effect
5. Urbanization
6. Desertification

B. Answer the following Questions

- Why urbanization is a factor for climate change?
- List the different causes of climate change.

~~**C. Things to do**~~

~~• Take a taxi or bus to Mt. Entoto and think of the climate (air, land etc.) and compare it with Addis Ababa city climate; describe causes of climate change in Addis Ababa and report to the class.~~

7.1.3The Development of climate Action

Competency: At the end of this lesson, you will be able to:

► Discuss the role of climate actions in confronting the climate change problems.

These are the four Key words that you should try learn for this lesson

- ➲ Adaptation measure
- ➲ Green economy
- ➲ Climate action
- ➲ Mitigation measure

Startup Question

What are possible ways to mitigate climate change?

Climate action means stepped-up efforts to reduce greenhouse gas emissions and strengthen resilience and adaptive capacity to climate-induced impacts, including: climate-related hazards. Global climate change is a growing threat to human well-being in developing

and industrialized nations alike. It is largely caused by the combustion of fossil fuels and by deforestation. Significant harm from climate change is already occurring, and further damages are a certainty. The challenge now is to keep climate change from becoming a catastrophe.

Mitigation measures to prevent climate change

The following adaptation measures are helpful actions to reduce the harm from climate change.

1. Implementing carbon capture and storage from fossil-fueled power plants, which reduce impacts on climate while making available concentrated CO_2
2. Utilizing the most advanced building designs, which can provide emissions-free space conditioning (cooling and heating) in ways that greatly reduce energy and water demands
3. Replacing traditional uses of biomass fuels for cooking and heating with modern energy supplies that can improve the health of women and children. Otherwise, they become exposed to high indoor air pollution from traditional uses of biomass.
4. Improving efficiency in the transportation sector through measures, such as vehicle efficiency standards.
5. Expanding the use of bio-fuels, especially in the transportation sector with careful attention to environmental impacts.
6. Promoting reforestation, afforestation, and improving land-use practices in ways that enhance overall productivity and delivery of ecological services while simultaneously storing more carbon and reducing emissions of smoke and soot.
7. Modernizing cities and planning land-use and transportation systems, including greater use of public transit. This helps to reduce energy use and Green House Gases intensity and increase the quality of life.

7.1.4. Case studies on issues in their locality

Case Study

The basis of Ethiopia's mitigation policy is Climate-Resilience Green Economy (CRGE) strategy which aims to keep greenhouse gas emissions low and build climate resilience, while achieving middle-income status by 2025. The strategy is based on four pillars: reducing agricultural emissions, protecting and expanding forests, expanding renewable electricity generation, and adopting energy efficient technologies in transport, industry and the built environment.

The Ethiopian government plans to increase fuel efficiency standards and promote the uptake of hybrid and electric vehicles; construct a renewable energy powered electric rail network; improve public transportation in the capital, Addis Ababa; and increase the use of biofuels.

~~**Activity 7.2**~~

~~**Give short answer for the following questions**~~

1. ~~Explain the aim of Climate Resilience Green Economy.~~
2. ~~List the four pillars of Climate Resilience Green Economy.~~

7.1.5 Air Pollution

Competency: At the end of this lesson, you will be able to:

- Describe the effects of air pollution

These are the four Key words that you should try learn for this lesson

- Air pollution
- Carbon dioxide
- pollutant
- pollution

Startup Question

Define pollution.

Pollution can be defined as an undesirable change in the physical, chemical or biological characteristics of air, water and land that may be harmful to human life and other animals, living conditions, industrial processes and cultural assets.

Pollution can be natural or manmade. The agents that pollute air are called pollutants. Pollutants are by-products of man's action. Table 2 summarizes some of major pollutants and their possible effects.

Pollutant	Source	Possible effects
Pesticides	Use in agriculture and landscaping	Nerve damage, birth defects, cancer
Lead	Lead paint and gasoline	brain damage and learning problems
Particulate matter	Vehicle exhaust, burning waste, fires antobacco-smoke	Respiratory damage (asthma, bronchitis, cancer)
Coal dust	Coal mining	Black lung disease
Bacteria in food	Poor sanitation and poor food handling	Gastro intestinal infections

Air Pollution: -is defined as the presence of materials in the air in such concentration which are harmful to human and their environment. A number of ingredients find their way in the air and these are mostly gases, which rapidly spread over wide areas

Sources of Air Pollution

Fossil fuels, industries, agricultural activities, wars, natural causes and emissions from vehicles are various sources of air pollution. Some sources of air pollution are discussed below: -

1. **Burning Fossil Fuels: -** Burning of wood, charcoal and other fossil fuels causes air pollution by the release of carbon dioxide (CO_2), ~~carbon~~ Sulphur dioxide etc.
2. **Emissions from Automobiles:** - ~~Vehicles are mainly responsible for more than 80% of total air pollution.~~ The major pollutants released from automobiles, locomotives, aircraft etc., include CO, unburnt hydrocarbons and nitrogen oxide.
3. **Industrial emissions: -** Paper and pulp factories, petroleum refineries, fertilizer plants, and steel industries, thermal power plants are the main sources of air pollution. They add various harmful gases like CO, SO_3, NO, Hydrocarbons etc., to the atmosphere. Textile factories release cotton dust into the air.
4. **Agricultural Activities: -**Spraying of insecticides and weedicides also cause air pollution. These, when inhaled create severe problems to both animals and man.
5. **Wars: -**Various forms of explosives used in war pollute the air by releasing poisonous gases. This greatly disturbs the ecology of the area. Nuclear explosions pollute air by radioactive rays. The effects of nuclear explosions on Hiroshima and Nagasaki are well-known examples.
6. **Natural Causes: -**Gas emissions from active volcanoes, marsh gas, spores of fungi and pollens are the natural causes of air pollution

Review Activity 7.2

A. Define the following terms

1. Air pollution
2. Carbon dioxide

B. Answer the following question

Describe pollutants in general and air pollutants in particular.

7.2 Water Shortage/ Scarcity

Competency: At the end of this lesson, you will be able to:

- List problems related to water shortage and scarcity

These are words/phrases that you should try to learn in this lesson

- Water scarcity
- Water conservation

Startup Questions

What is water scarcity?
What are the problems related to water shortage and scarcity?

Water shortage/ scarcity is a lack of sufficient water, or not having access to safe water supplies. Water scarcity is caused by natural and human activities. Water is unequally distributed over time and space. Much of it is wasted, polluted and unsustainably managed. Water shortages have a great impact on human health, socio-economic development, and the environment.

Water shortages have a direct impact on crops and livestock which can lead to food shortages and eventually starvation. It also generates sanitation problems by forcing people to drink unsafe water. Lack of water causes other diseases, such as trachoma (an eye infection that can cause blindness), plague and typhus

What You Can Do

- Take shorter showers, and avoid taking baths unless you keep the water level low.
- Install a low-flow shower head in your shower.
- Do not let the water run while you are brushing your teeth.

In addition, Water scarcity has different negative impacts on rivers, lakes, and other freshwater resources. It harms the environment in several ways including increased salinity, nutrient pollution, and the loss of floodplains and wetlands.

Water Conservation at Home: is the practice of using water efficiently to reduce unnecessary water usage. Although households use much less water than agriculture

or industry, a few changes to residential water use will make a significant contribution to water conservation. People can conserve water by changing a few everyday habits and by using only the water that they need.

~~Review~~ Activity 7.3

A. Questions based on facts

Define the following terms

a. Water scarcity b. Water conservation

B. Answer the following questions

1. List and describe problems related to water shortage
2. Explain the different methods of conserving water at home for the prevention of water scarcity

C. Things to do

- Interview 5 households in your locality about the cause of household water consumption problem and report your findings to the class members.

7.3 Deforestation

Competencies: At the end of this lesson you will be able to:

- Explain the effects of deforestation;
- Value individuals and communities' commitment to protect the environment.

These are words/phrases that you should try to learn in this lesson

- **Deforestation**
- **Desertification**
- **Soil erosion**
- **Urbanization**

Startup Questions

Define Deforestation in your own words

Explain the effects of deforestation

Describe the commitment of individuals/communities to protect the environment

Deforestation: ~~refers to the decrease in forest areas.~~ Forest areas are cleared for having additional agricultural croplands, urbanization, or mining activities ~~such as agricultural croplands, urbanization, or mining activities~~. The causes and effects of deforestation is briefly discussed below.

A. Causes of Deforestation

1. **Expansion of Agricultural activities: -**The main reasons why people require large areas are both to raise livestock and to grow food crops.

2. **Constructions of infrastructures: -** The construction of modern urban infrastructures has also been driving forces that accelerate deforestation.

3**. Rapid Urbanization: -** The population shift that is leading people to move from rural areas to urban areas is also contributing to deforestation.

B. Effects of deforestation

The followings are some of the effects of deforestation

1. **Loss of Habitat:** One of the most dangerous and unsettling effects of deforestation is the loss of animal and plant species due to their loss of habitat. The trees of the rainforest that provide shelter for some species also provide the canopy that regulates the temperature. Deforestation results in a more drastic temperature variation from day to night, much like a desert, which could prove fatal for many inhabitants.
2. **Increased Greenhouse Gases: -**lack of trees also allows a greater amount of greenhouse gases to be released into the atmosphere.
3. **Depletion of Water in the atmosphere: -** The trees also help to control the level of water in the atmosphere by helping to regulate the water cycle. In deforested areas, there is less water in the air to be returned to the soil. This causes dryer soil and the inability to grow crops.
4. **Erosion and Flooding: -** Trees help the land to retain water and topsoil, which provides the rich nutrients to sustain additional forest life. Without forests, the soil gets eroded and washed away, causing farmers to move on and perpetuate the cycle. The barren land which is left behind in the wake of these unsustainable agricultural practices is then more susceptible to flooding, specifically in coastal regions.

To alleviate this problem individuals and communities have to be willing to sacrifice personal enjoyment, reducing waste of resources, using environmentally friendly new products and supporting government's adaptation strategies

~~Review~~ Activity 7.4

A. **Define the following terms**

1. Deforestation
2. Desertification

B. **Give short answer**

What are causes and effects of deforestation.

Summary

- ~~Climate is the average weather conditions that persist over multiple decades or longer.~~

- Climate change encompasses both increases and decreases in temperature as well as shifts in precipitation, changing risks of certain types of severe weather events, and changes to other features of the climate system

- The major greenhouse gases are water vapor, carbon dioxide, chlorofluorocarbons, methane, and nitrous oxide.

- The ozone layer is found in the stratosphere. It is a layer of gas which absorbs much of the sun's ultraviolent radiation, preventing it from reaching the earth

- Air Pollution is the presence of materials in the air in such concentration which are harmful to man and his environment.

- Fossil fuels, industries, agricultural activities, wars, natural causes and emissions from vehicles are sources of air pollution.

- Air pollutants may be solid or liquid particles
- Water scarcity generates sanitation problems.
- Deforestation ~~refers to the decrease in forest areas is greatly accelerated by human activities.~~

Glossary

~~**Aerosols:** are chemicals released in the air in vapor form~~.

Air Pollution: the presence of materials in the air in such concentration which are harmful to man and his environment.

Climate: is the average weather conditions that persist over multiple decades or longer

Climate change: is change of weather and climatic patterns

Deforestation: refers to the decreasing forest areas

~~**Desertification**: is a layer of gas which absorbs much of the sun's ultraviolent radiation, preventing it from reaching the earth~~

Water scarcity: is a lack of sufficient water, or not having access to safe water supplies.

Unit 7 Review Questions

I. True /False Item

Instruction: Write True if the statement is correct or False if it is incorrect. ~~Write your answer on the space provided.~~

------1. Climate change does not affect human life.

-------2. Carbon dioxide, water vapor and methane are greenhouse gases.

------3. Aerosol can deplete the ozone layer.

------4. Deforestation can cause soil erosion and flooding.

------5. Waste water treatment has no role for water conservation.

II. Matching Item

Match the correct items in Column" B" with their explanations in "A"

A	B
___1. ~~Effect of~~ deforestation	A. Damages the air, water or soil
___2. Chlorofluorocarbon	B. Removal of trees
___3.Afforestation	C. Generates sanitation problem
___4.Water Scarcity	D. Greenhouse gas
___5.Pollution	E. Planting new trees in new area

II. Multiple Choice Item

Instruction: Choose the correct answer ~~and write the letter of your choice on the space provided.~~

___1. Which of the following is true about proper solid waste disposal management?

A. Recycling used materials
B. Buying fuel efficient car
C. Reducing carbon emission
D. Over grazing

___2. Which of the following is the effect of global warming?

A. melting ice
B. rising sea-levels
C. change in weather pattern
D. all are possible answers

___3 .~~What is the use~~ of Chlorofluorocarbons (CFCs) ?

A. It is ~~once~~ used as energy source
B. It is ~~once~~ used as pesticides
C. It depletes the ozone layer
D. It contributes to fertility of soil

___4. Desertification is mainly caused by_____

A. ~~ozone layer depletion~~
B. deforestation
C. ~~greenhouse effect~~
D. ~~global warming~~

___5.Which of the following is a natural factor responsible for climate change?

A. Oceans
B. Burning of fossil fuel
C. nuclear war
D. ozone layer depletion

II. Fill in the blank Item

Fill the blank spaces with suitable words

1. _____is the average weather conditions that persist over multiple decades or longer.

2. The ozone layer protects us from_____

V. Give short Answer

1. Describe the causes and effect of climate change.

2. Explain the effects and causes of water scarcity.

Checklist

Put a tick (√) mark in each of the boxes for activities you can perform

I Can

1. **Evaluate the implications of climate change on peoples' life and the physical environment** ☐
2. **Produce report on locally available indigenous knowledge help to protect the environment** ☐
3. **Value the work of the who provide care and support to people who participate in environmental protection** ☐



Addis Ababa City Administration Education Bureau

Addis Ababa / Ethiopia / 20 14 EC