ALADWAA Gem

Science

إجابات نماذج اختبارات الأضواء

لشهـــر نوفمبر



الصف 5 الابتدائى

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Model 1

1 A) Complete the following sentence:

- Heavy rains in the desert cause flooding, which harms the ecosystem.

B) Answer the following questions:

1 **Mention** the human activities that negatively affect marine habitats.

- Polluting oceans and seas by land runoff, littering plastic, introducing invasive species, and overfishing.

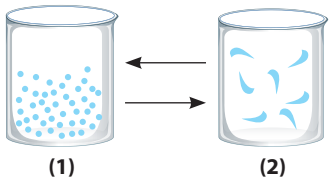
2 **Mention** the state of each of the following matters: (Oil – Book – Apple – Water vapor).

Matter	The state
Oil	Liquid
Book	Solid
Apple	Solid
Water vapor	Gas

3 **Look at the opposite figure, then answer:**

a. Matter changes from state (1) to state (2) by heating.

b. The particles in state (2) move faster than state (1).



(1) (2)

2 A) Put (✓) or (✗) in front of the following sentence:

- If algae die, zooplankton will not have food to survive. (✓)

B) Mention the importance or function of each of the following:

1 Measuring tape

- It is used to measure the length of some matter.

2 Electron microscope

- It helps us see individual particle such as the blood cells.

3 A) Choose the correct answer:

- Water is found in nature in ..... states.

a) three b) four c) five d) six

B) Give a reason for each of the following:

1 Air is matter.

- Because air has mass and takes up space.

2 When the number of one species of consumers in an ecosystem increases, they will die.

- Because the resources (such as water and food) may disappear.

Model 2

1 A) Choose the correct answer:

• ..... are considered as producers in the marine food web.

a) Seabirds b) Microorganisms c) Small fish d) Parrot fish

B) Give a reason for each of the following:

1 Liquids take the shape of their containers.

• Because their particles are linked with each other by less bonds allowing them to move past each other.

2 Coral bleaching happens when the water temperature rises.

• Because when the water temperature rises, corals get rid of the algae living in their tissues, causing them to turn completely white (coral bleaching).

3 Steam is a gaseous matter.

• Because it has an indefinite shape and volume.

2 A) Write the scientific term:

• The small units that make up matter. (Particles)

B) What happens if ...?

1 The climate change is unsuitable for a population of one type of species.

• The population may move to another habitat or die, which leads to a decline in the population number.

2 Ice cubes are exposed to extreme heat.

• The ice will melt and change from solid state to the liquid state.

3 A) Complete the following sentence:

• Most of the energy is recycled back into the ecosystem by decomposers.

B) Define:

1 Model

• It is a copy that is similar to a real thing.

2 Population

• It is the number of organisms of one type of species living in an area.

Model 3

1 A) Cross out the odd word:

- Oil – Milk – Wood – Vinegar

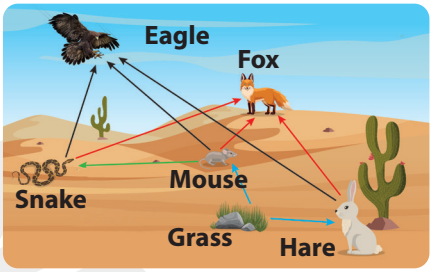
B) What is meant by ...?

1. Globe
   - It is a model that shows us the shape of the Earth.
2. Habitat restoration
   - It is the process of returning a habitat back to its natural state before harm was done.
3. Matter
   - It is anything that has mass and takes up space.

2 A) Correct the underlined word in the following sentence:

- Microorganisms move to **warmer** water when the climate becomes warm. (cooler)

B) Look at the opposite figure, then answer:



1. Grass is considered a producer, while mouse is considered a primary consumer.
2. What will happen if grass is removed from the food web?
   - Hares and mice will lose their food source, so they will die.

3 A) Choose the correct answer:

- The particles of ..... move very freely.

a) water b) air c) wood d) ice

B) Explain:

1. A wooden cube keeps its shape when we change its position.
   - Because its particles are packed closely together and cannot move past each other.
2. Plastics are very harmful to marine organisms.
   - Because plastics are not nutritious and can be toxic and sharp.

Model 4

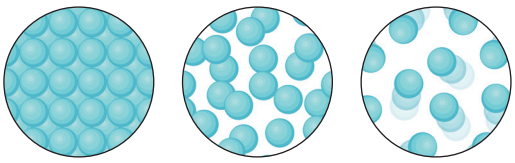
1 A) Write the scientific term:

- It occurs when habitats are destroyed or when their quality is negatively impacted.

(Habitat loss)

B) Answer the following questions:

1 Look at the opposite figures, then answer:



(1) (2) (3)

a. Figure (3) represents the particles of a gaseous substance.

b. The particles of matter in figure (1) vibrate around their positions.

2 Mention the importance of coral reefs.

- 1- They are habitats for many living organisms.
  2- They are important for tourism, as people travel to coral reefs for fishing and diving.

2 A) Put (✓) or (✗) in front of the following sentence:

- By squeezing a balloon, the space among the gas particles decreases. (✓)

B) What happens to ...?

1 The microorganisms when the water temperature rises.

- The microorganisms will move to cooler areas, followed by the small fish that feed on them.

2 The speed of particles when a liquid changes into a gas.

- The speed of the particles increases.

3 A) Complete the following sentence:

- Corals ingest microplastics during filtering the ocean water which harms them.

B) Give a reason for each of the following:

1 Particles of gasses spread out to fill up any container they are put in.

- Because they are not held together.

2 Sea turtles eat plastic bags instead of jellyfish.

- Because they cannot see the difference between their real food (jellyfish) and the plastic bags in the water.

Model 5

10

1 A) Choose the correct answer:

- If the number of primary consumers increases so much, the ..... will disappear.

a) decomposers
b) secondary consumers
c) producers
d) tertiary consumers

B) Give a reason for each of the following:

1. Models have an important role.
   - Because they help us to see things in the real size and know how things work.
2. A healthy habitat is very important for all living organisms.
   - Because it provides organisms with food, water, and shelter.
3. Water has different shapes when it is placed in different containers.
   - Because its particles are linked with each other by less bonds allowing them to move past each other to take the shape of its container.

2 A) Complete the following sentence:

- Habitat restoration projects help to prevent species from extinction.

B) Mention the importance or function of each of the following:

1. Nursery
   - It is used to nurture the small pieces of coral until they become healthy.
2. Thermometer
   - It is used to measure the temperature of some matter.

3 A) Put (✓) or (✗) in front of the following sentence:

- Sound is a form of energy. (✗)

B) What is meant by ...?

1. Population change
   - It is any increase or decrease in the number of one type of species living in an area.
2. Solid
   - It is a state of matter that has a definite volume and shape.