ALADWAA

Gem



Science

الصف 5 الابتدائى

إجابات النماذج النهائية للفصل الدراسى الأول

العام الدراسى 2024 - 2025

Model (1)

15 Marks

1 (A) Choose the correct answer:

1 ..... is a part of the plant that anchors the plant in the soil.

a) Root b) The leaf c) The phloem d) Stem

2 ..... is one of the physical properties of matter.

a) Rusting of iron **b) Color of tomatoes**

c) Burning of paper d) Rotten of fruit

3 When a giraffe eats grass, the grass is considered a ..... consumer.

a) first b) second c) third d) last

(B) Give a reason:

– A book is considered matter.

– **Because it has mass and occupies space.**

2 (A) Correct the underlined word:

– Sea turtles eat wooden materials, thinking they are jellyfish. (**plastic**)

(B) Look at the opposite figure, then answer:



1 Water vapor rises in the opposite figure as a result of

increasing of temperature.

2 What happens to the water vapor after touching a cold object?

It will condense and change into water.

3 (A) Write the scientific term:

– A structure inside plant leaves that gives them their green color and absorbs sunlight.

(**Chlorophyll**)

(B) Form a food chain using the following living organisms, then mention the importance of the sunlight in each one of them:

1 Rabbit - sunlight - lion - green grass.

(Sunlight – green grass – rabbit – lion)

2 Shark - algae - sea urchin - parrotfish.

(Algae – sea urchin – parrotfish – shark)

– **The sunlight provides plants and algae with energy to make their food.**

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Model (2)

15 Marks

1 (A) Complete the following sentences using the words between the two brackets:

1 Oil takes the ..... of its container. (mass - **shape**)

2 ..... is the model that shows how energy passes from one living organism to another in an ecosystem. (**Food chain** - Food web)

3 When mixing materials together, their masses ..... after mixing. (change - **don't change**)

(B) Mention two ways of seed dispersal:

1 **Wind** 2 **Water**

2 (A) Write the scientific term:

– A measuring tool used to measure the mass of fruits and vegetables. (**Balance**)

(B) What happens when ...?

1 The water temperature around coral reefs increases.

– **Coral bleaching occurs.**

2 A piece of ice is left under sunlight.

– **The ice melts and turns into water.**

3 (A) Put (✓) or (✗):

– Physical changes cause the changing of the matter structure. (✗)

(B) Give a reason:

1 Wood is not used to make electrical wires.

– **Because it is a bad conductor of electricity.**

2 Coral reefs are considered an ecosystem.

– **Because they are natural habitats for many marine organisms, such as fish and other coral reefs.**

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Model (3)

15 Marks

1 (A) Correct the underlined words:

1. Helium gas is heavier than air. (**lighter**)
2. Filtration is a method for forming mixtures. (**separating**)
3. Water and air are living components of the ecosystem. (**non-living**)

(B) What happens if ...?

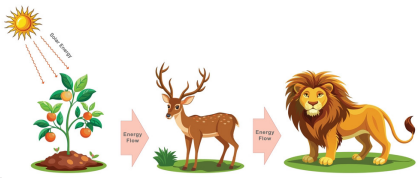
– Decomposers disappear from the ecosystem.

– **Energy and nutrients will not return back to the soil and air.**

2 (A) Complete the following sentence using the words between the two brackets:

– ..... is the substance that is used to make gloves. (**Rubber** - Copper)

(B) Look at the opposite figure, then answer:



1. Why is deer considered a secondary consumer in this food chain?

– **Because it feeds on producer "plant" .**

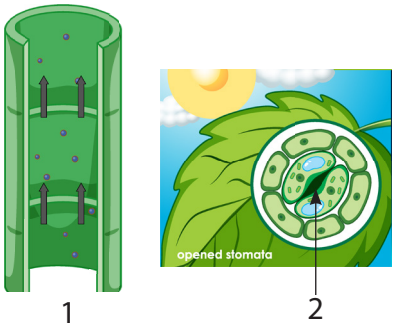
2. What happens if the light energy of the sun disappears?

– **The plant can't make its own food and the food chain will be destroyed.**

3 (A) Put (✓) or (✗):

– Chemical changes produce new matter. (✓)

(B) Look at the opposite figure, then answer:



1. What is the name of structure no. 1 and its function in the plant?

– **Xylem vessels, they transport water and minerals from the root to the leaves.**

2. What is the importance of structure no. 2?

– **It allows gases to move into and out of the plant.**

Model (4)

15 Marks

1 (A) Choose the correct answer:

1. The growth rate of seeds in soil is ..... its growth rate in a towel.

   a) greater than b) less than c) equal to d) twice

2. ..... is considered a liquid material.

   a) Oxygen b) Flour **c) Milk** d) Wood

3. All of the following reduce marine pollution with plastics, except ..... .

   a) recycling plastic b) using wood products

   c) using glass products **d) increasing the use of plastic products**

(B) What happens when .... ?

– Mango juice is poured into a glass.

– **The juice takes the shape of the glass, and its volume doesn't change.**

2 (A) Correct the underlined word:

– The snake feeds on other organisms, so it is a decomposer. (**consumer**)

(B) Look at the opposite figure, then answer:

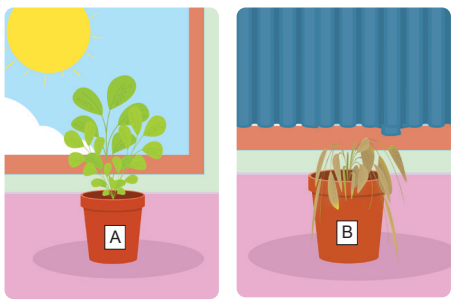


1. Making a cake is considered a **chemical** change because **the taste of cake is not like its components such as flour and sugar.**
2. Cutting the cake into many pieces is considered a **physical** change because **the taste of the small pieces looks like the cake before cutting.**

3 (A) Complete the following sentence using the words between brackets:

– The difference between vinegar and alcohol can be distinguished by their (**odor** - taste).

(B) Look at the opposite figures, then answer:



1. The plant grows better in pot **(A)** because **the sun is a basic need for the plant to grow.**
2. The plant doesn't grow well in pot **(B)** because **the sun is absent.**

Model (5)

15 Marks

1 (A) Choose the correct answer:

1. Plants use carbon dioxide gas for ..... . (**photosynthesis** - respiration)
2. The material that sinks in water is the ..... . (cork - **metal**)
3. Freezing process is the opposite of ..... process. (evaporation - **melting**)

(B) Look at the opposite figure, then answer:



– Mention the importance of the carrot to the rabbit.

– **The carrot provides rabbit with energy that helps it to survive.**

2 (A) Write the scientific term:

– Anything that has a mass and takes a space. (**Matter**)

(B) Give a reason:

1. Coral reefs are important for tourism.

– **Because people travel to coral reefs for fishing and diving.**

2. Helium is used to fill balloons and blimps.

– **Because it is lighter than air.**

3 (A) Arrange the following food chain:

– Aquatic insects → small fish → shark → marine plants.

(Marine plants → aquatic insects → small fish → sharks)

(B) What happens when ....?

1. Sunlight does not reach Earth.

– **Plants cannot perform photosynthesis process.**

2. A piece of iron is left in humid air.

– **It will rust.**