ALADWAA

Gem



Science

الصف 5 الابتدائى

إجابة النماذج الاسترشادية لشهر نوفمبر

العام الدراسى 2024 - 2025

Model (1)

5 Marks

1 Complete the following sentences:

1. When a sea turtle eats a jellyfish, this means that the sea turtle is a..... **predator**..... living organism.
2. Iron and gold are examples of .....**solid**..... state of matter.
3. We can use different materials to make a roof, depending on the..... **climate**..... where the home is located.
4. Gentle rain ..... **improves**..... a desert ecosystem, while heavy rain ..... **destroys**..... it.

2 Put (✓) or (✗):

1. The flow of energy in food webs is not affected when the natural habitats are destroyed. (✗)
2. Matter never changes from one form to another. (✗)
3. The length of the classroom wall is measured by using a balance. (✗)
4. Water can be found in three states. (✓)

3 Answer the following:

1. Coral bleaching happens when the temperature rises. Explain.

- Because when the water temperature rises, the coral reefs get rid of algae from their tissues and turn completely into white causing coral bleaching.

2. What happens if the roofs of cold weather homes are flat?

- The rain will be collected on the top of cold weather homes.

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Model (2)

5 Marks

1 Choose the correct answer:

1. When corals ..... the seawater, they may ingest microplastics.

   a. evaporate **b. filter** c. cool d. warm

2. One of the substances that doesn't take the shape of its container is .....

   a. oil **b. coin** c. gasoline d. water

3. Which of the following homes have an inclined roof? .....

   a. Desert homes only.

   b. Tropical rainforest homes only.

   c. Tropical rainforest homes and cold weather homes.

   d. Desert homes and tropical rainforest homes.

4. If the number of primary consumers increases, ... will disappear.

   a. producers b. decomposers

   c. secondary consumers d. tertiary consumers

2 Write the scientific term for each of the following:

1. Marine ecosystems that provide food and shelter for corals, fish and other marine organisms.

   (..... **Coral reefs** .....)

2. The state of matter that has a lot of spaces between its particles.

   (..... **Gaseous state** .....)

3. The properties of matter which you can observe by using your five senses.

   (..... **Physical properties** .....)

4. It is anything around us that has mass and volume. (.....**Matter**.....)

3 Answer the following:

1. What happens if the seawater becomes warm?

   - The microorganisms will move away to a cooler water and also fish that feed on these microorganisms.

2. Particles of a piece of iron are very close to each other. Explain.

   - Because it is a solid matter.

ONLINE Gem

Model (3)

5 Marks

1 Correct the underlined word:

1. Due to rising of water temperature, coral reefs turn completely into green.

(..... white .....)

2. While transferring water from one pot to another, its volume will change.

(..... shape .....)

3. Color of milk is considered as one of its chemical properties. (..... physical .....)

4. Coral reefs are living organisms that can make their own food in marine ecosystem.

(..... Algae .....)

2 Complete the following sentences:

1. Plastic waste materials are very harmful to marine organisms, because they are ..... toxic ..... .
   and sharp.
2. When an ice cube is exposed to the Sun, the speed of movement of its particles will ..... increase ..... .
3. The ability of a piece of iron to rust is from the ..... chemical ..... properties of matter.
4. The volume of the ..... gaseous ..... matter can be changed from one container to another. .

3 Answer the following:

1. Particles of gases can spread out quickly to fill up any container they are put in. Explain.

   - Because their particles are not held together, and have more energy.

2. What happens to the temperature of a matter if the speed of its particles decreases?

   - The temperature of the matter will decrease.

Model (4)

5 Marks

1 Complete the following sentences:

1. ..... **Habitat restoration** ..... is the process of returning a habitat back to its natural state before harm was done.
2. Particles of ..... **gases** ..... matter have a lot of energy and spaces.
3. Quickly moving particles produce ..... **more** ..... heat energy than slower moving particles.
4. Habitat loss is one of the main causes of ..... **extinction** ..... of living organisms.

2 Put (✓) or (✗):

1. Living organisms in seas and oceans cannot differentiate between the real food and plastic wastes. (✓)
2. Particles of all matter are in a continuous motion. (✓)
3. The measuring units of volume are liter and cubic centimeter. (✓)
4. By changing the temperature of the matter, its state changes. (✓)

3 Answer the following:

1. Liquids take the shape of their containers. Explain.

   - Because their particles can slide over each other.

2. We can use the sense of sight only to differentiate between salt and pepper. Explain.

   - Because both of salt and pepper have different color.

ALAWWA Gem

Model (5)

5 Marks

1 Complete the following sentences:

1. Removing plants in an ecosystem negatively impacts ..... **primary** ..... consumers.
2. To describe the particles of a matter in ..... **solid** ..... state by modelling balls, we should put the balls packed together.
3. The ..... **mass** ..... of your school bag can be determined by a balance.
4. Sea turtles eat a lot of plastic thinking that they are ..... **jellyfish** ..... .

2 Put (✓) or (✗):

1. Nursery is the natural habitat in the sea, in which scientists take care of corals until they grow. (✓)
2. Liquid particles move freely more than solid particles. (✓)
3. Shape is one of the chemical properties of matter. (✗)
4. In a solid state, the particles have a regular pattern. (✓)

3 Answer the following:

1. What happens to the arrangement of particles of water after its freezing?

   - It will be organized.

2. The roof of desert home is made of strong stones. Explain.

   - To protect the desert home from dust and dirt.