



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

2nd Term Test - 2018



Sub : Science

Duration : 1:30 mins

Class : 4 A, B & C

F.M. : 54

Date : 07.08.2018

Roll No:

(Marks will be deducted for untidy work, spelling mistakes and work not done in systematic manner).

SECTION - A

1. Fill in the blanks:

(1X3=3)

- a) The process of the shedding of skin in a cockroach is called _____
- b) Matter is made up of tiny particles called _____
- c) The broad flat part of the leaf is called _____

2. Write True or False:

(1X3=3)

- a) Water is a solvent _____
- b) Sugar is a solute _____
- c) A molecule is the smallest particle _____

3. Name the following:

(1X3=3)

- a) A substance / matter which changes its shape but not its volume.
- b) An egg laying animal that does not care for its young one.
- c) An insect that has three stages in its life cycle.

4. Match the column:

(1X3=3)

- | | | |
|--------------|--|-------|
| a) Reptile | | pupa |
| b) Fish | | snake |
| c) Butterfly | | gills |

SECTION - B

5. What happens when:

(3x2=6)

- a) You leave ice cream outside the freezer?
- b) You add honey to water?
- c) Orange juice is left in the freezer overnight?

6. Answer briefly:

- a) Write three characteristics of liquid.
- b) Write the difference between evaporation and condensation.
- c) Why are plants called producers? What is chlorophyll?
- d) What are mammals? Give an example.

(3)

(3)

(1+2=3)

(2+1=3)

SECTION - C

7. Answer the following questions

- a) What is reproduction? Why do fish lay a large number of eggs at one time? (2+3=5)
- b) Write about the molecules in a solid. Show the arrangement of the molecules with the help of a diagram. (3+2=5)
- c) Why do we need food? (5)
- d) What is albumen? What is yolk? (2+2=4)
- e) Write and draw the life cycle of cockroach. (5)

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M. Das
2/8/18



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MODEL ANSWERS

Roll No:

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SECTION – A

1. Fill in the blanks:

(1X3=3)

- a) The process of the shedding of skin in a cockroach is called moulting.
- b) Matter is made up of tiny particles called molecules
- c) The broad flat part of the leaf is called lamina

2. Write True or False:

(1X3=3)

- a) Water is a solvent. True
- b) Sugar is a solute. True
- c) A molecule is the smallest particle. True

3. Name the following:

(1X3=3)

- a) A substance / matter which changes its shape but not its volume. **Liquid**
- b) An egg laying animal that does not care for its young one. **Lizards / snake / Turtle**
- c) An insect that has three stages in its life cycle. **Cockroach**

4. Match the column:

(1X3=3)

- | | | |
|--------------|---|-------|
| a) Reptile | C | pupa |
| b) Fish | A | snake |
| c) Butterfly | B | gills |

SECTION – B

5. What happens when:

(3x2=6)

- a) You leave ice cream outside the freezer?

Ans. When an ice cream is left outside the freezer it starts melting.

- b) You add honey to water?

Ans. When honey is added to water, it gets dissolved and forms a solution.

- c) Orange juice is left in the freezer overnight?

Ans. When orange juice is left in the freezer overnight, it changes into ice.

6. Answer briefly:

- a) Write three characteristics of liquid.

(3)

Ans The three characteristics are as follows.

- i. Liquids flow or can be poured easily. They are not easy to hold
- ii. They change their shape. They take the shape of the container they are put in.
- iii. Even when liquids change their shape, they always take up the same amount of space. Their volume remains the same.

b) Write the difference between evaporation and condensation. (3)

Ans. The process of changing water into water vapour or steam by heating is called evaporation.

The process of changing water vapour or steam back to water by cooling is called condensation.

c) Why are plants called producers? What is chlorophyll? (1+2=3)

Ans. Plants are called producers because they make their own food. It is the leaf that makes the food for the plant.

The green colour substances present in the leaf are called chlorophyll.

d) What are mammals? Give an example. (2+1=3)

Ans. Animals that give birth to fully formed young ones are called mammals. E.g. Dolphin, horse, Deer, Whale, etc

SECTION – C

7. Answer the following questions

a) What is reproduction? Why do fish lay a large number of eggs at one time? (2+3=5)

Ans . The process by which animals produce young ones of their own kind is known as reproduction.

The fish lay a large number of eggs at one time because some eggs and baby fish are eaten by bigger fish. The ones that are left grow into adult fish.

b) Write about the molecules in a solid. Show the arrangement of the molecules with the help of a diagram. (3+2=5)

Ans. Molecules in a solid are very tightly packed. They are close to each other. Therefore, solids have a fixed shape and size. E.g. wood. Children will draw

c) Why do we need food? (5)

Ans. We need food for:

- i. It gives us energy to work and play
- ii. It helps the body to grow.
- iii. It repairs the damaged parts of the body.
- iv. It keeps the body healthy.
- v. It helps the different parts of the body to work properly.

d) What is albumen? What is yolk?

(2+2=4)

Ans. A jelly like substance called albumen is present inside the egg. It protects the yolk and the embryo.

Within the albumen is present a yellow portion called yolk. It is the food for the developing embryo.

e) Write and draw the life cycle of cockroach.

(5)

Ans. Stage 1 .A female cockroach lays its egg in a case, in a dark and safe place. Each case has many eggs

Stage 2. The eggs are left to hatch on their own. Each egg hatches into a young cockroach called nymph. It looks like an adult cockroach but is much smaller and does not have wings.

Stage 3. The nymph eats leftover food, paper, cloth, etc. It grows bigger and shed its skin several times before it becomes an adult. This shedding of skin is called moulting.

Children will draw the life cycle of cockroach

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