Henry Park Primary School

Primary 5 Science

2024 Term Review

Name: _____ ( ) Duration of Paper: 40 min

Class: Primary 5 _____ Parent's Signatue: _____

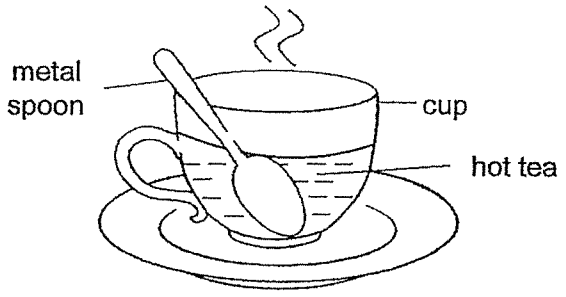
Section A

For each question from 1 to 7, four options are given. One of them is the correct answer.

Make your choice (1, 2, 3 or 4) and write the correct answer (1, 2, 3 or 4) in the table provided.

Q1	Q2	Q3	Q4	Q5	Q6	Q7

1. Tom places a metal spoon into a cup of hot tea.



The spoon becomes hotter after a while.

Which of the following explains this?

(1) The cup loses heat to the hot tea.

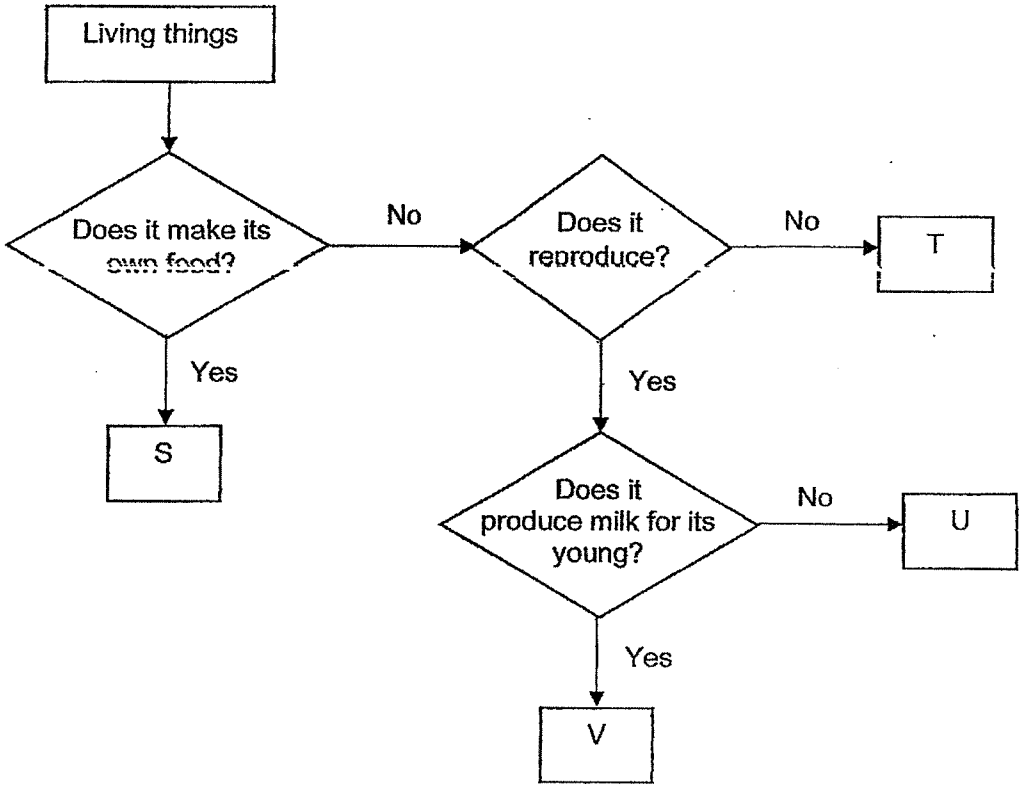
(2) The spoon loses heat to the hot tea.

(3) The hot tea gains heat from the spoon.

(4) The spoon gains heat from the hot tea.

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2. Study the flow chart below.



What conclusions can be made from the information given?

A S is a plant.

B T is a fungi.

C V is a mammal.

(1) A and B

(2) A and C

(3) B and C

(4) A, B and C only

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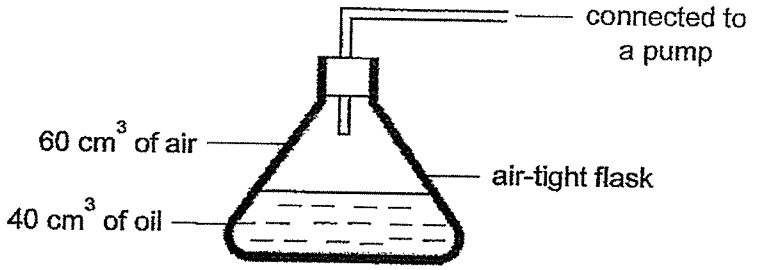
3. Ben observed two animals, X and Y and recorded his observations in the table below.

Observation	Animal X	Animal Y
Has a 3-stage life cycle	Yes	No
Spends some stages of its life cycle in water	Yes	No
Adult has wings	No	Yes

Which of the following correctly identifies animal X and Y?

	Animal X	Animal Y
(1)	mosquito	grasshopper
(2)	grasshopper	beetle
(3)	frog	beetle
(4)	frog	mosquito

4. Study the set-up below. The volume of the air-tight flask is 100 cm^3.



Using the pump, another 30 cm^3 of air and 10 cm^3 of oil are added into the air-tight flask. What is the final volume of air in the flask?

(1) 40 cm^3
(2) 50 cm^3
(3) 60 cm^3
(4) 90 cm^3

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5. The rate of evaporation is affected by some factors.

Which of the following statement(s) about the rate of evaporation is/ are **not** correct?

A The lower the temperature of the water, the slower it evaporates.

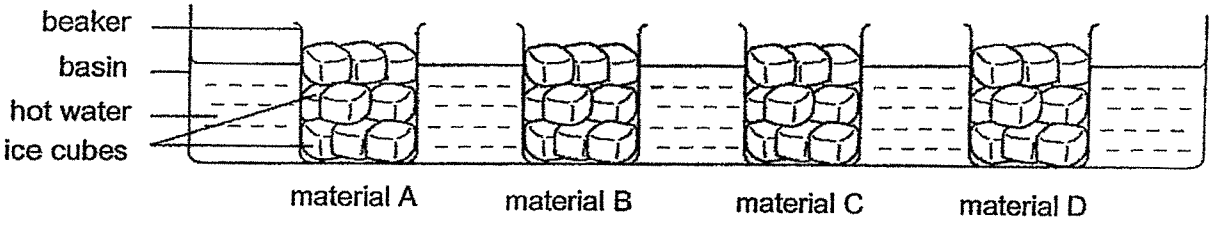
B The larger the exposed surface area of water, the faster it evaporates.

C The faster the speed of wind, the slower the rate of evaporation of water.

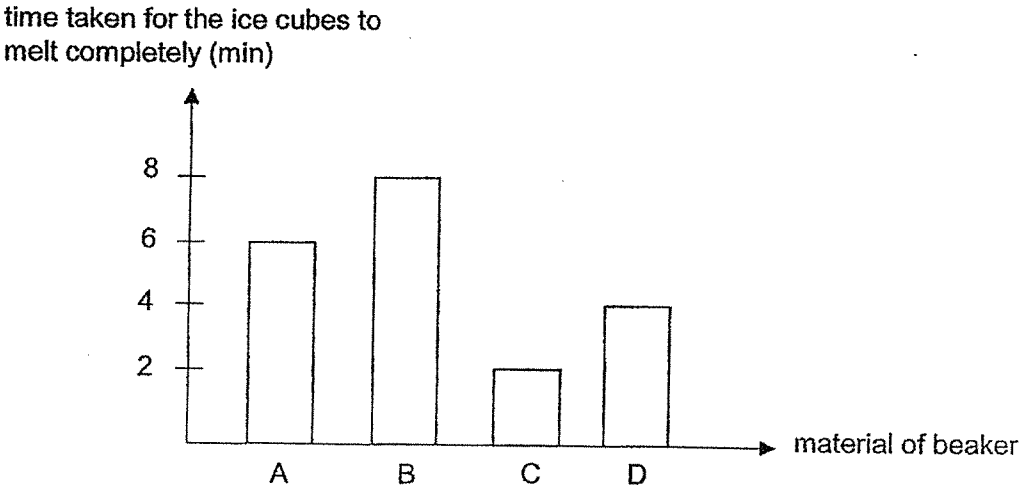
(1) C only
(2) A and B only
(3) B and C only
(4) A, B and C

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6. Andy placed the same amount of ice into similar beakers but made of different materials. He placed the beakers into a basin of hot water.



Andy then measured the time taken for the ice cubes in each beaker to melt completely.



What is the correct order of materials from the poorest conductor of heat to the best conductor of heat?

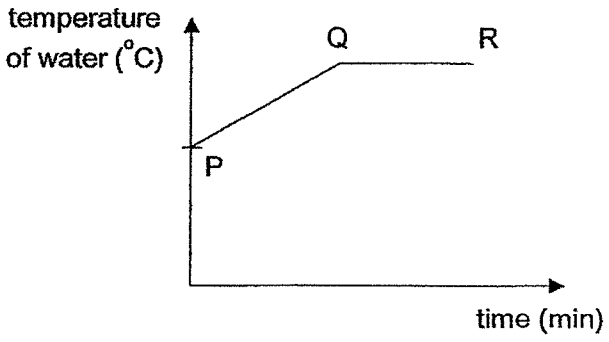
(1) C → A → D → B
(2) B → A → D → C
(3) C → D → A → B
(4) B → D → A → C

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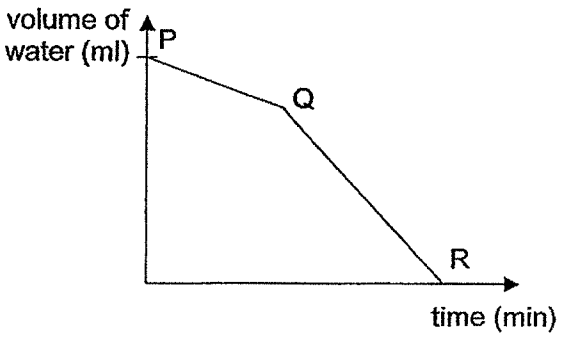
7. 60 ml of water is placed in a small dish and heated for some time.



The graph below shows the temperature and the volume of water from the start of the experiment.



temperature of water



volume of water

Based on the graphs, which of the following statements are correct?

A: The water starts to boil at P.

B: The water starts to boil at Q.

C: The volume of water decreases from P to R is due to boiling only.

D: The volume of water decreases from P to Q is due to evaporation only.

(1) A and C only
(2) B and C only
(3) A and D only
(4) B and D only

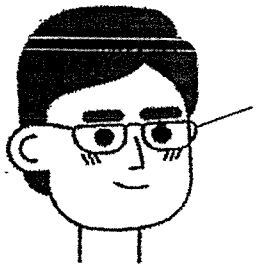
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Section B

Write your answers to questions 8 to 12 in the spaces given.

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8. The lens of Victor's glasses turned foggy when he walked out of the bedroom into the living room.



Victor

(a) What can you infer about the temperature of Victor's living room and bedroom?

Circle the correct answer.

The temperature of his living room is (lower than / higher than / the same as) [1]
the temperature of his bedroom.

(b) Explain why Victor's glasses turned foggy. [1]

_____

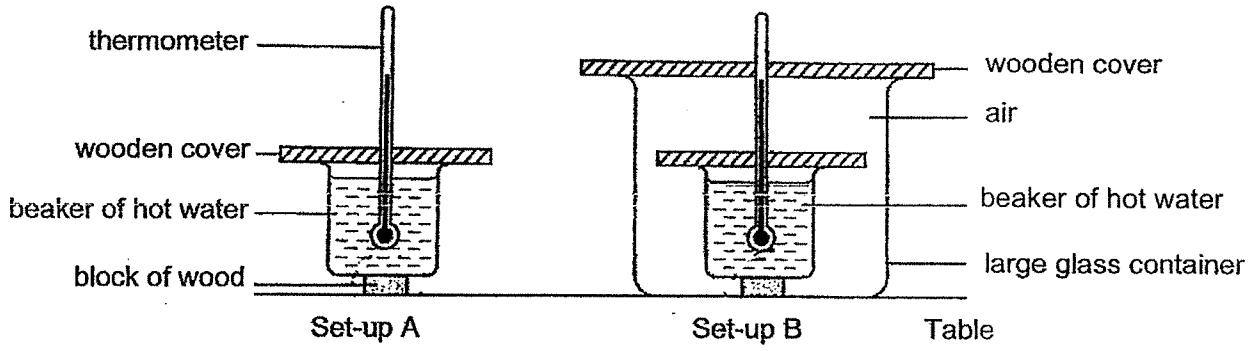
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9. Emily conducted an experiment to find out if air is a poor conductor of heat. She placed the same amount of hot water at the same temperature into two identical beakers. She placed one of the beakers into a large glass container.



Emily measured the temperature of water in each beaker after 30 minutes.

(a) What is the purpose of the blocks of wood placed below the beakers in the set-ups? [1]

_____

_____

(b) After 30 minutes, Emily found that the temperature of water in set-up B was higher than that in set-up A. Explain why. [2]

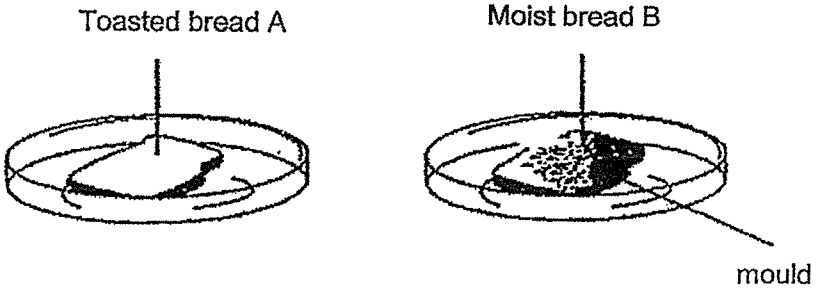
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10. Mr Lim left 2 pieces of bread, bread A and B, in the science lab over a period of 5 days. Bread A was toasted and bread B was moist.



After 5 days, Mr Lim observed that some mould was formed on bread B.

(a) Based on the information above, name the condition necessary for the mould to grow on bread B. [1]

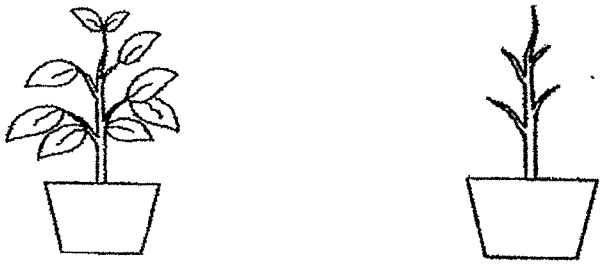
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(b) Where does the mould obtain its food from? [1]

_____

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11. Lydia has two similar potted plants in her garden. She removed all the leaves from Plant B but continued to water both plants daily.



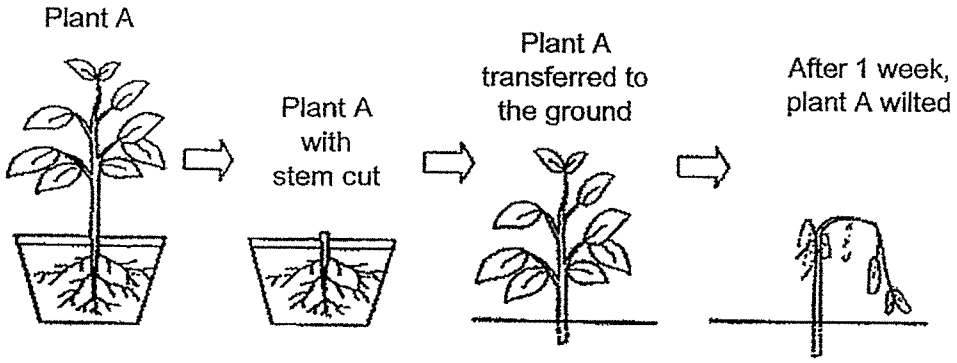
Plant A Plant B

(a) Lydia observed that plant A grew more leaves but plant B died after 1 week. Explain why. [1]

_____

_____

(b) Lydia wanted to remove plant A from the pot and plant it in the ground. She had difficulties pulling out the plant so she cut the stem and left its roots in the pot.



After a week, the plant wilted and died even though Lydia watered it daily.

Explain why the plant died. [1]

_____

_____

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12. Amelia dipped an empty dropper in a beaker of water. She observed that water did not enter the dropper as shown in Diagram 1. When Amelia squeezed the top part of the dropper, she observed some bubbles escaping from the opening. Then, water entered the dropper as shown in Diagram 2.

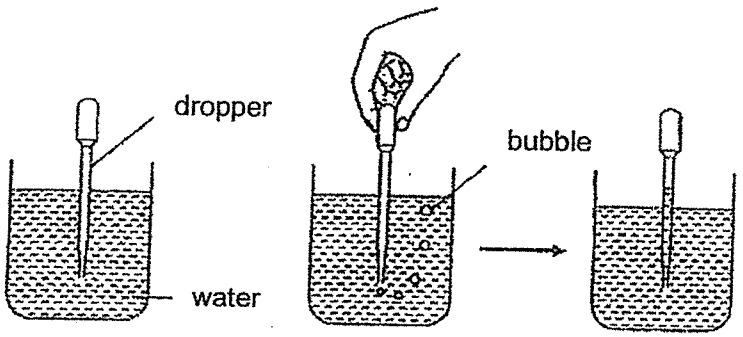


Diagram 1 Diagram 2

a) Explain why the water did not enter the dropper when it was first dipped in the beaker of water. [1]

b) State the property of water which allows it to enter the dropper. [1]

END OF TERM REVIEW

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SCHOOL: HENRY PARK PRIMARY SCHOOL

SUBJECT: SCIENCE

LEVEL: PRIMARY 5

PAPER: 2024 Term Review

SECTION A

Q1	Q2	Q3	Q4	Q5	Q6	Q7
4	2	3	2	1	2	4

SECTION B

Q8. (a) higher than

(b) The warm water vapour from the living room loses heat to the cooler surface of the lens and condenses to form water droplets that turns the glass foggy.

Q9. (a) To prevent heat loss from the water to the surface of the table.

(b) As the air in the large container is a poor conductor of heat, heat is conducted from the hot water to the surrounding at a slower rate.

Q10. (a) Moisture

(b) It obtains its food from the bread.

Q11. (a) Plant A had leaves to make food for the plant, but Plant B had no leaves to make food, thus Plant B does not have enough food to survive.

(b) There were no roots for the plant to absorb water and minerals from the soil, thus the plant cannot survive.

Q12. (a) The air in the dropper takes up space and cannot escape, thus water cannot enter the dropper.

(b) No definite shape.

END

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