

MAHA BODHI SCHOOL  
2022 TERM 2 REVISION  
PRIMARY FIVE SCIENCE

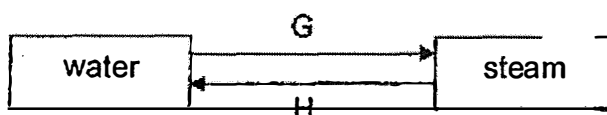
Name : \_\_\_\_\_ ( ) Date : \_\_\_\_\_

Class : Primary 5 \_\_\_\_\_

**SECTION A : [8 x 2 marks = 16 marks]**

For each question from 1 to 8, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). **write your answer in the bracket.**

1. The diagram below shows how water changes after processes G and H have taken place.



Which of the following correctly represents G and H?

	G	H
(1)	freezing	evaporation
(2)	evaporation	freezing
(3)	boiling	condensation
(4)	condensation	boiling

( )

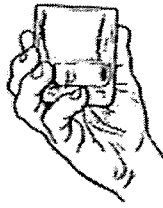
2. Which of the following statement(s) below explain(s) why we can see the moon?

- A. It gives off light.
- B. It reflects the light from the Sun to our eyes.
- C. It reflects the light from the Earth to our eyes.

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

( )

3. Ali held onto a glass of cold water. Shortly, his hand felt cold.



Which of the following best explains why Ali's hand felt cold?

- (1) Heat flowed from the glass to his hand.
- (2) Heat flowed from his hand to the glass.
- (3) Coldness flowed from the glass to his hand.
- (4) Coldness flowed from his hand to the glass.

( )

4. Beatrice prepared four set-ups of liquids in a room. The experimental conditions are shown in the table below.

Set-up	Type of liquid	Temperature of liquid ( $^{\circ}\text{C}$ )	Volume of liquid ( $\text{cm}^3$ )
J	X	40	50
K	X	80	50
L	Y	40	50
M	Y	40	100

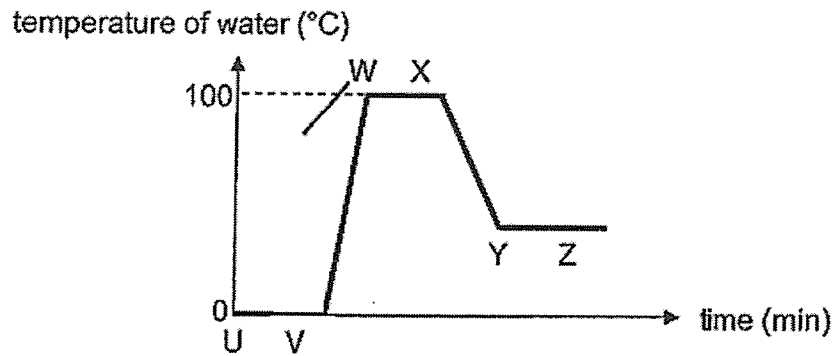
She wanted to confirm if rate of evaporation is affected by the type of liquid.

Which pair of set-ups should Beatrice compare for her investigation?

- (1) J and L
- (2) J and M
- (3) K and L
- (4) K and M

( )

5. A container of frozen water was heated till boiling occurred and left to cool after. The graph below shows how the temperature of water changed over time.



Which of the following statement(s) is/are correct?

- A. No heat was gained by the water during UV.
- B. There was only one state of water present during VW.
- C. The temperature during WX was the boiling point of water.
- D. The temperature during YZ was the freezing point of water.

(1) C only

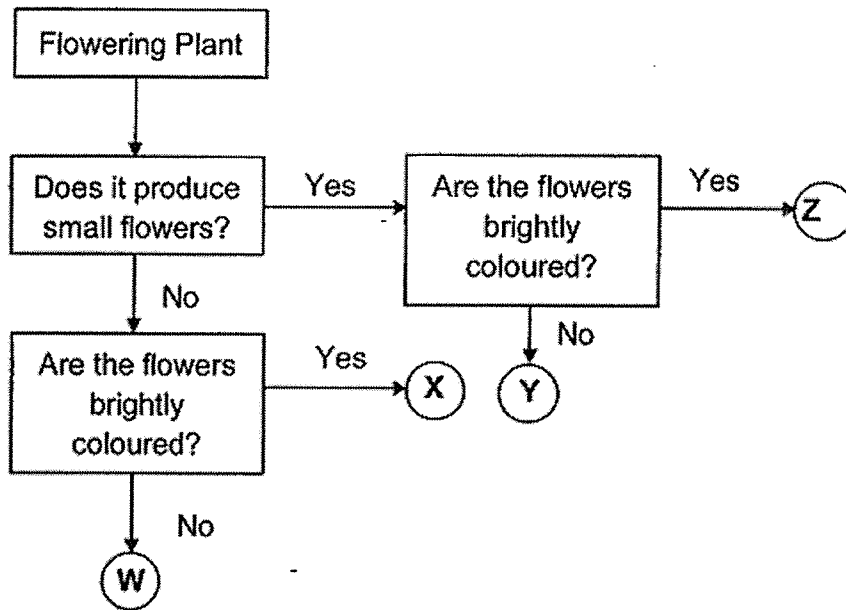
(2) A and C only

(3) B and C only

(4) B and D only

( )

6. The flowchart below shows the characteristics of some flowering plants in Sam's garden.

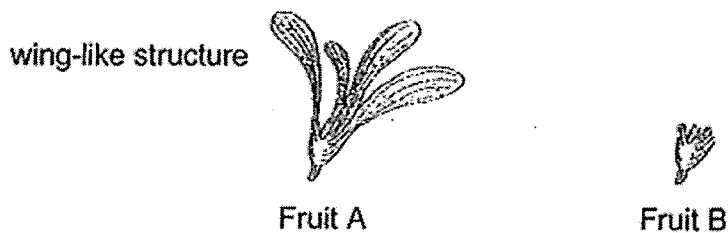


Sam observed that some insects were attracted to small and brightly coloured flowers. Which group of flowers were the insects attracted to?

- (1) W
- (2) X
- (3) Y
- (4) Z

( )

7. Hendrick carried out an experiment using two fruits, A and B. He released each fruit, one at a time, from a height of 10m from the ground. He measured the time taken for each fruit to reach the ground.

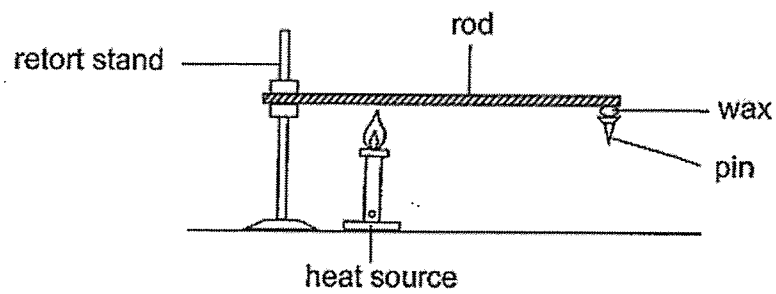


Which set of readings is most likely to be correct?

	Time taken for fruit A (s)	Time taken for fruit B (s)
(1)	2.8	2.9
(2)	5.2	5.2
(3)	5.1	3.1
(4)	5.6	6.5

( )

8. Caili conducted an experiment as shown below to find out which material was the worst conductor of heat.



She repeated the experiment with rods made of different materials.

What should Caili observe so that she could make a correct conclusion?

- (1) longest time taken for the pin to drop
- (2) shortest time to heat the rod to a fixed length
- (3) longest distance between the rod and the ground
- (4) shortest distance between the pin and the heat source

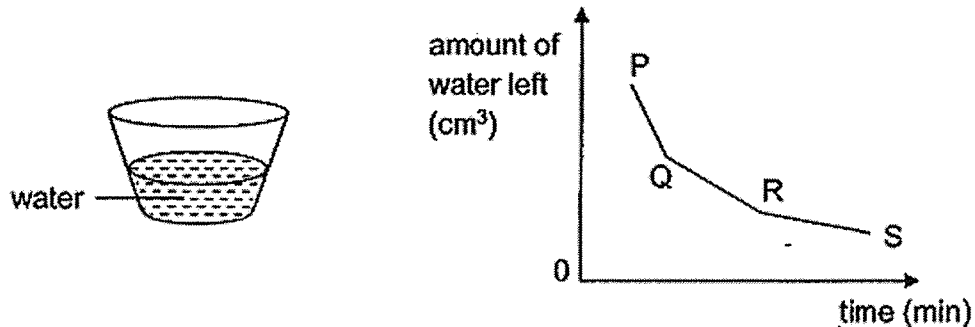
( )

**SECTION B : [14 marks]**

For questions 9 to 12, write your answers in this booklet.

The number of marks available is shown in the brackets [ ] at the end of each question or part question.

9. Eugene conducted an experiment to find out how exposed surface area of water affected rate of evaporation. He poured some water into a container and recorded the amount of water left in the container over a period of time. The graph below shows his results.



- (a) Based on the result, what was the relationship between time duration and the amount of water left? [1]

---

---

- (b) State how the exposed surface area of water changed over time. [1]

---

---

- (c) Explain why more water was lost during period PQ than during period RS. [1]

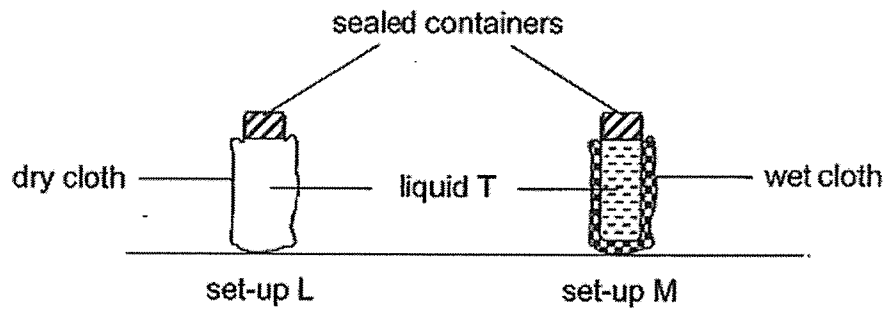
---

---

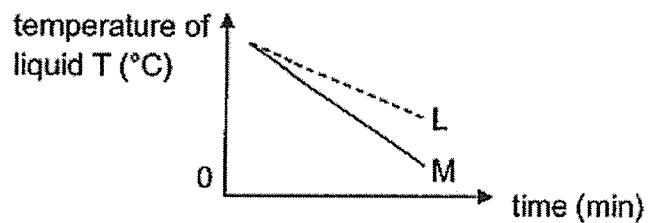
Marks : 

	/ 3
--	-----

10. (a) Fandi conducted an experiment to find how temperature of liquid T would be affected by a wet cloth. His set-ups are shown in the diagram below.



The graph below shows how the temperature of liquid T in set-ups L and M change over time.



- (i) Explain how the wet cloth became dry after some time. [1]

---

---

- (ii) Based on the results, what was the effect of the wet cloth, as compared to the dry cloth, on the temperature of liquid T? [1]

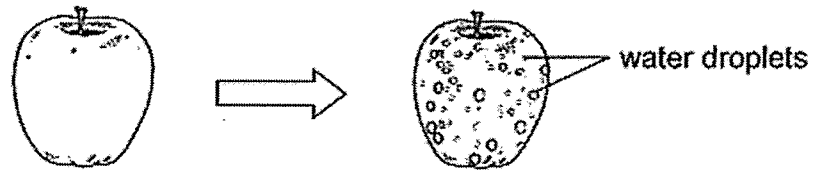
---

---

Marks :

12

- (b) Fandi left a cold apple on his table. After some time, he observed water droplets on the apple.



Explain how water droplets were formed on the apple.

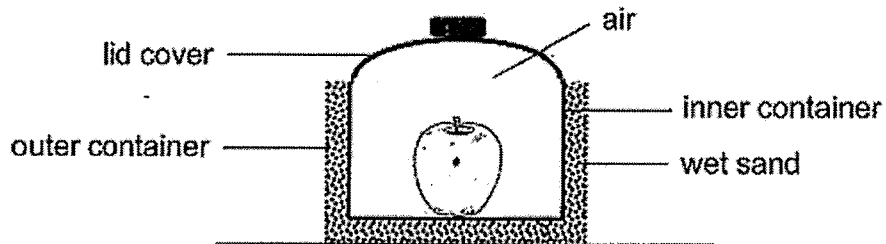
[1]

---

---

---

- (c) The diagram below shows a model that was built by Fandi to keep his apple cool.



The air inside the inner container was kept cool by the wet sand.

- (i) Explain why no water droplets were formed on the surface of the cold apple after some time. [1]

---

---

- (ii) The outer container had many tiny holes. Fandi did not observe any water or sand flowing out from the outer container. Give a reason how the wet sand dried faster when the outer container had more tiny holes. [1]

---

---

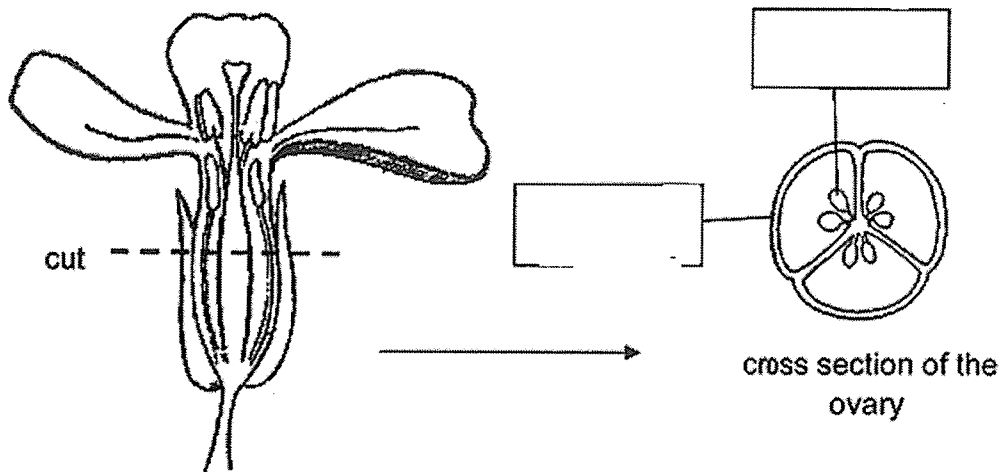
---

Marks :

13



11. Jess plucks a flower from her garden and cuts across the middle of its ovary. Its cross section is shown below.

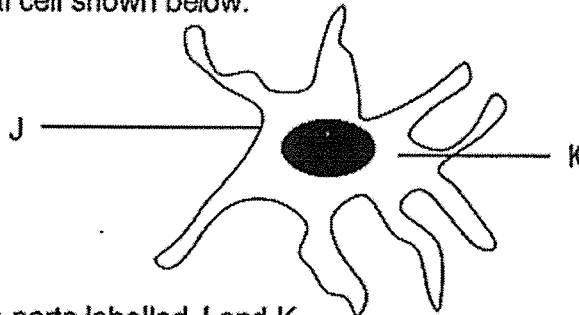


- (a) Label the ovary and the ovule in the boxes above. [1]
- (b) What will the ovary and ovule develop into when the flower is pollinated and fertilised? [2]

Ovary : \_\_\_\_\_

Ovule : \_\_\_\_\_

12. Study the animal cell shown below.



- (a) Name the parts labelled J and K. [2]

J : \_\_\_\_\_ K : \_\_\_\_\_

- (b) Based on the diagram, explain why the cell shown above is an animal cell. [1]

---



---

Marks : 

/ 3
-----

~ END OF PAPER ~



**SCHOOL : MAHA BODHI PRIMARY SCHOOL**  
**LEVEL : PRIMARY 5**  
**SUBJECT : SCIENCE**  
**TERM : 2022 TERM 2**

---

**SECTION A**

<b>Q 1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q5</b>	<b>Q6</b>	<b>Q7</b>	<b>Q8</b>
<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>1</b>

**SECTION B**

<b>Q9)</b>	<p>a) The longer the time, the lesser the water in the container.</p> <p>b) When the water evaporates, the water level goes down and the exposed surface area decreases as the side of the container is in a sloping position.</p> <p>c) The exposed surface area at PQ is longer than RS. The water had a faster rate of evaporation at PQ.</p>
<b>Q10)</b>	<p>a) i) Water in the wet cloth gained heat from surrounding and evaporated into water vapour.</p> <p>ii) The wet cloth helped to decrease the temperature of liquid T faster.</p> <p>b) Water vapour from the surroundings came into contact with the apple, lost heat and condensed into water droplets.</p> <p>c) i) Water vapour from the surroundings lose heat to the apple and condense.</p> <p>ii) The exposed surface was larger when there were holes as water could also evaporate from the sides and the top.</p>

<p><b>Q11)</b></p>	<p>a)</p> <div data-bbox="443 286 817 586" data-label="Image"> </div> <p>b) Ovary: fruit Ovule: seeds</p>
<p><b>Q12)</b></p>	<p>a) J: cell membrane      K: cytoplasm</p> <p>b) The cell does not have a cell wall which all plant cells have.</p>