MAHA BODHI SCHOOL
2025 SCIENCE REVIEW 1
PRIMARY FIVE

Name : _____( ) Date : 9 May 2025

Class : Primary 5 _____

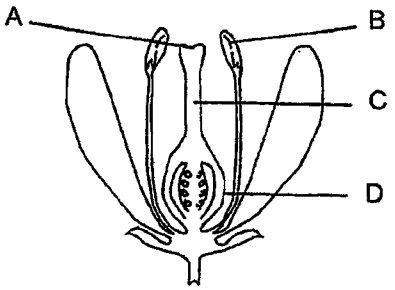
Duration : 50 min

Marks: / 30

Parent's signature : _____

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 the reproductive system of plants.



Which part of the plant reproductive system perform the similar function as the testes of the human reproductive system?

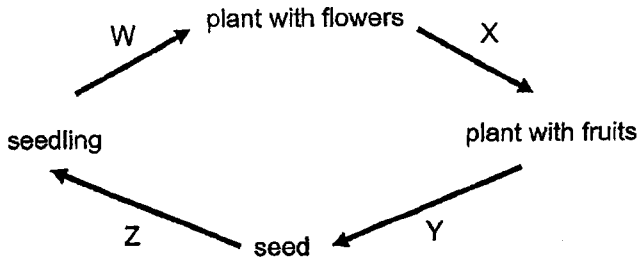
(1) A
(2) B
(3) C
(4) D

( )

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2. The diagram below shows the stages of growth of a flowering plant, represented by the letters W, X, Y and Z.



At which stage of growth of the plant do the processes, fertilisation and germination take place?

	fertilisation	germination
(1)	W	Z
(2)	X	Y
(3)	X	Z
(4)	Y	W

( )

3. The table shows the freezing points and boiling points of two substances, E and F.

Substance	Freezing point (°C)	Boiling point (°C)
E	120	200
F	10	80

Which are the correct states of substances E and F at 90°C?

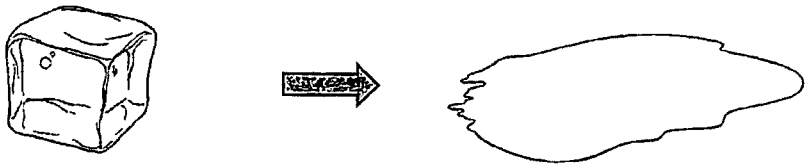
	E	F
(1)	solid	liquid
(2)	solid	gas
(3)	liquid	liquid
(4)	liquid	gas

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4. An ice cube was taken from the freezer and placed on a table to melt at room temperature.



ice cube melted ice cube

Which of the following shows how heat flowed during melting of ice and after the ice had completely melted?

	Heat flow	
	when the ice was melting	**after the ice had melted completely**
(1)	from ice to surroundings	from surroundings to water
(2)	from ice to surroundings	from water to surroundings
(3)	from surroundings to ice	from surroundings to water
(4)	from surroundings to ice	from water to surroundings

( )

/ 2

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5. An experiment was carried out to find out the conditions required for seeds to germinate. Four set-ups, with each set-up containing 10 seeds, were prepared. Each set-up was exposed to different conditions.

The observations were made after a few days and recorded in the table below.

Set-up	Number of seeds germinated
A	0
B	10
C	0
D	10

Based on the observations above, which of the set-ups show correctly the conditions that the seeds were exposed to?

Set-up	Conditions present (✓)		
	water	light	warmth
A	✓		✓
B		✓	✓
C	✓	✓	
D	✓	✓	✓

(1) A and B only

(2) A and D only

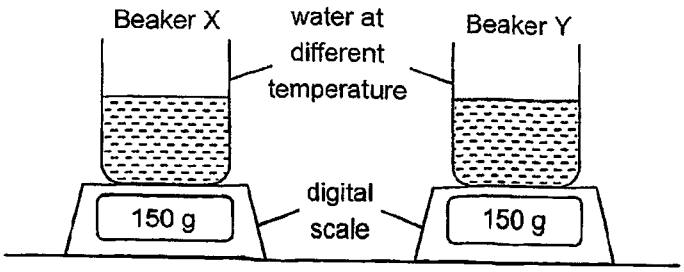
(3) B and C only

(4) C and D only (

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6. Two identical glass beakers containing 100 ml water at different temperatures were weighed on a digital scale. They were left in the same location at room temperature.



The volume of water remaining in each beaker and its mass were measured after 10 minutes. The results are shown below.

Beaker	Temperature of water in the beginning (°C)	Volume of remaining water (ml)	Mass of beaker of water (g)
X	5	99.8	**Q**
Y	**R**	97.5	146

Which of the following statements is NOT correct?

(1) The value of **R** is greater than 5.

(2) The value of **Q** is less than 146.

(3) Both beakers were measured after the same amount of time.

(4) Water in beaker Y evaporates more quickly than water in beaker X.

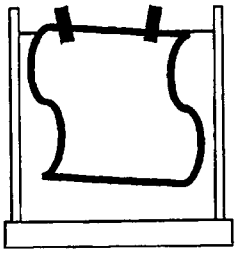
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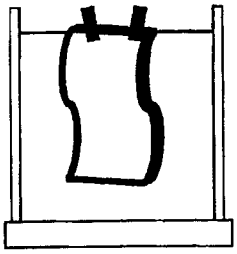
7. Matthew wanted to find out how a factor affects the rate of evaporation. He soaked three similar towels in equal amounts of water and prepared the following set-ups X, Y and Z. The towels were hung as shown below in the same room.

Set-up X



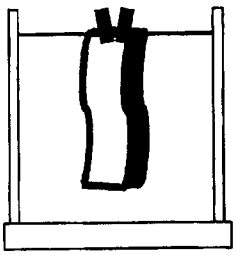
The towel was spread out.

Set-up Y



The towel was folded once.

Set-up Z



The towel was folded twice.

Based on the experiment above, which factor was Matthew testing to see how it affects the rate of evaporation?

(1) presence of wind

(2) temperature of water

(3) exposed surface area

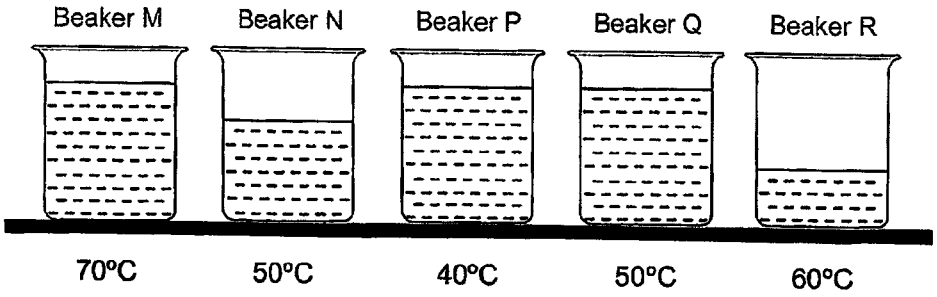
(4) temperature of surrounding

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8. Five identical beakers, M, N, P, Q and R, were filled with different volume of water and heated to different temperature.



John wanted to carry out two experiments using these beakers of water to find out how the amount of heat in the water is affected by:

Experiment A: its volume

Experiment B: its temperature

Which beakers should he use to conduct the experiments?

	Experiment A	Experiment B
(1)	M and R	M, N and P
(2)	N and Q	M, P and Q
(3)	M, N and R	M, P and R
(4)	N, P and R	M, N, P and R

( )

Marks : / 2

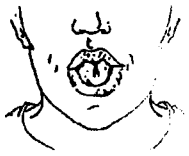
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SECTION B : [14 marks]
For questions 9 to 12, write your answers in this booklet.

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

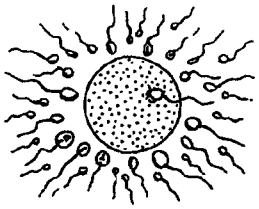
9. (a) State a reason why it is important that living things reproduce. [1]

(b) Henry's father can roll his tongue but his mother cannot.



Explain why Henry can roll his tongue like his father. [1]

(c) During sexual reproduction in humans, many sperms reach the egg but only one sperm fertilises the egg.

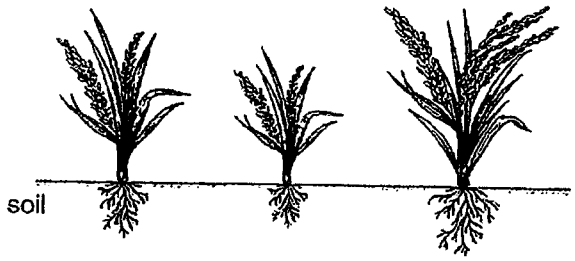


Explain why it is important for sperms to be produced in large numbers during sexual reproduction. [1]

Marks: / 3

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10 (a) The diagram below shows three similar plants growing side by side.



(i) State two substances that these three plants need from the soil to survive and grow healthily. [1]

(ii) Explain the benefit of growing these three plants with spaces in between them. [1]

Marks: / 2

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10 (b) Three different types of plants X, Y and Z were planted in an area as shown in Diagram A. After a few years, more of these types of plants were found growing at different parts of the area as shown in Diagram B.

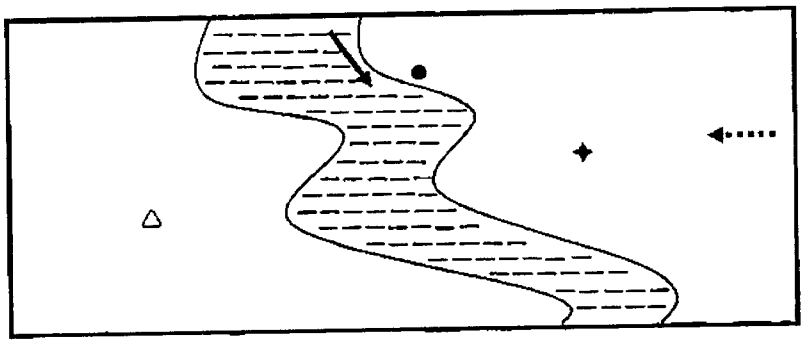


Diagram A

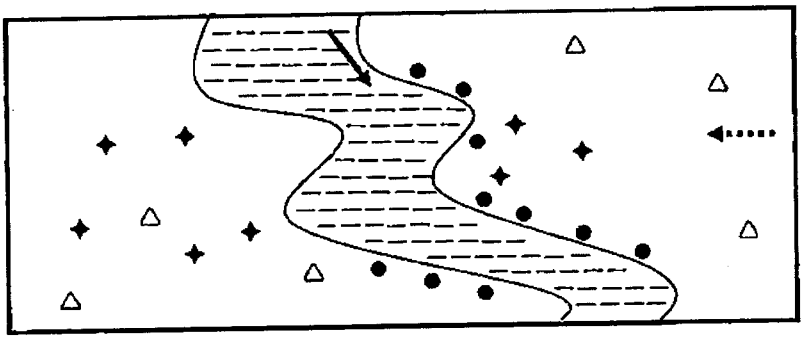


Diagram B

KEY:	△ Plant X	→ Direction of river flow
	✦ Plant Y	⇢ Direction of wind
	● Plant Z	

(i) Based on the information above, state the method of seed dispersal for plants X and Y. [1]

Plant X : by _____

Plant Y: by _____

Marks: / 1

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10 (b) (ii) The diagram below shows two fruits, P and Q.

	
Fruit P	Fruit Q

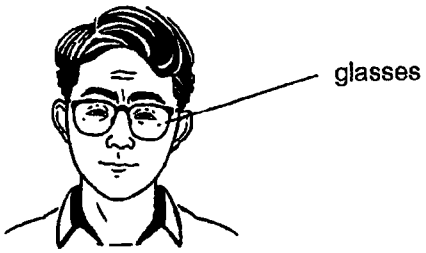
Which of these fruits, P and Q, belongs to plant Z in Diagram B?

Based on the characteristics of this fruit shown in the diagram, explain how the seeds of this fruit are dispersed. [1]

Marks: / 1

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11. John had a lesson in the computer lab for an hour and the air conditioner in the computer lab was set at 18°C. At the end of the lesson when he stepped out of the computer lab, his glasses became blurry. But after a while, it became clear again.



(a) What caused the surface of the glasses to appear blurry? [1]

_____

(b) Explain how the surface of the glasses appears blurry. [2]

_____

_____

_____

_____

(c) Explain why the glasses became clear again after some time. [1]

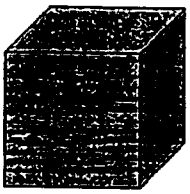
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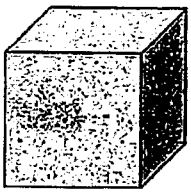
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12. (a) Alex measured the surface temperature of two similar cubes made of metal and wood. He found that both cubes had the same surface temperature of 28°C.



wooden cube



metal cube

When he touched the surface of both cubes, he found that the metal cube felt cooler.

Explain Alex's observation. [1]

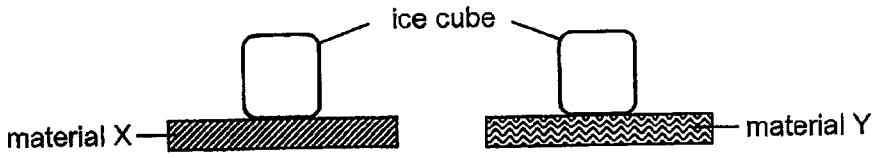
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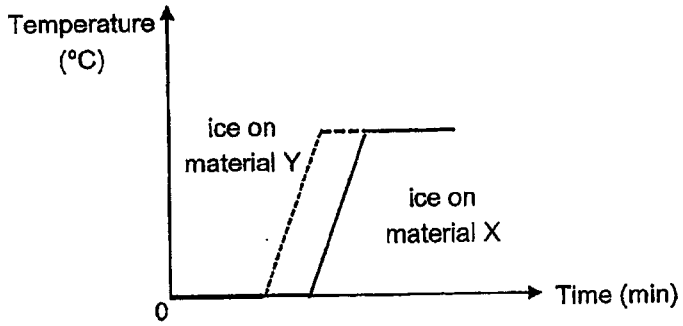
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(b) Sally placed an ice cube on material X and a similar ice cube on material Y. Both materials were at room temperature at the start of the experiment.



She measured the time taken for each ice cube to melt and reach room temperature. The graph below shows the results of the experiment.



Sally wanted to bring hot food and cold drinks for a picnic. She wanted the food to stay hot and the drinks to remain cold longer in the containers they were placed in.

Which material, X or Y, would be a more suitable material of a container for hot food? Explain your answer. [2]

Material of container for hot food : _____

Explanation :

_____

_____

_____

_____

Marks: /2

~ END OF PAPER ~

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SCHOOL : MAHA BODHI PRIMARY SCHOOL

LEVEL : PRIMARY
SUBJECT : SCIENCE
TERM : WA1 2025

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
2	3	2	3	4	2	3	2

Q9)	a) To ensure the continuity of the species. b) The genes from Henry's father were passed on to Henry. c) It is important as it makes sure that at least one sperm will reach the egg and fertilise the egg.
Q10)	a) i)Water and mineral salts. ii)It reduces competition of water, sunlight, mineral salts . b) i)Plant X : by Animals Plant Y: by Winds ii)Fruit Q. It is disperse by water as it has a fibrous husk to trap air, which allows it to float on water.
Q11)	a) water droplets. b) Warmer water vapour from the surroundings comes into contact with the cooler surface of the glasses, loses heat and condensed to form water droplets. c) The water droplets gained heat and evaporated.
Q12)	a) Metal conducted more heat away than wood from Alex's hand so Alex felt that the metal /cube was cooler. b) The ice oil material X takes a longer time to melt material X is a poorer conductor of heat than material Y. Heat would be lost slower from the hot food to the cooler surroundings.

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