MAHA BODHI SCHOOL

2025 SCIENCE REVIEW 2

PRIMARY FIVE

Name : _____( ) Date : 27 August 2025

Class : Primary 5 _____

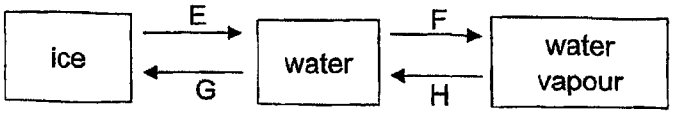
Duration : 50 min

Marks: / 30

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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 changes of state of water.



Which of the processes E, F, G or H involves heat loss by water?

(1) E and F only
(2) G and H only
(3) E and H only
(4) F and G only

(

2. Which of the following are parts of the respiratory system?

A. heart
B. lungs
C. gullet
D. nose
E. mouth

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

( )

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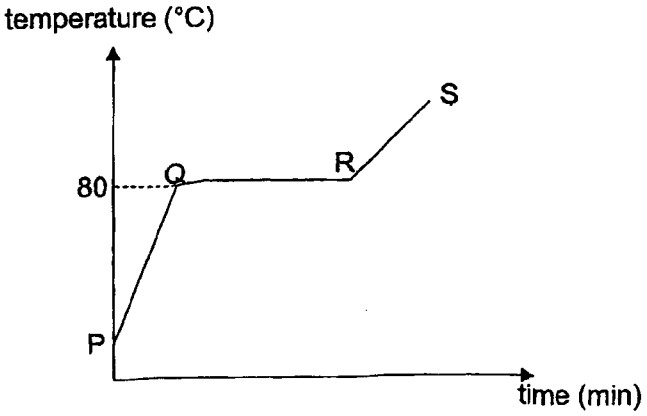
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3. In which of the following part(s) is/are water-carrying tubes found?

A. roots
B. stems
C. leaves
D. flowers

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

4. The graph below shows the temperature of liquid Y as it is heated.



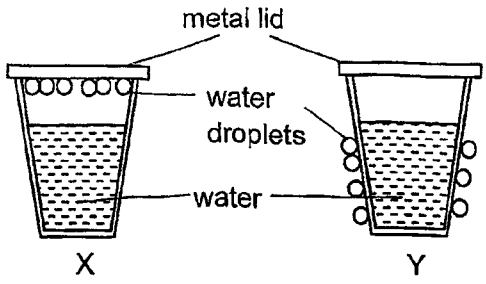
Which of the following statements is true?

(1) Y is water.
(2) Y is melting from Q to R.
(3) The boiling point of Y is 80°C.
(4) There is no heat gained by Y from Q to R. (

/ 4

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5. Two cups, X and Y, were filled with water at different temperatures. Metal lids were placed on the cups, and both cups were left in a room with a temperature of 30 °C. After some time, water droplets were observed as shown in the diagram below.

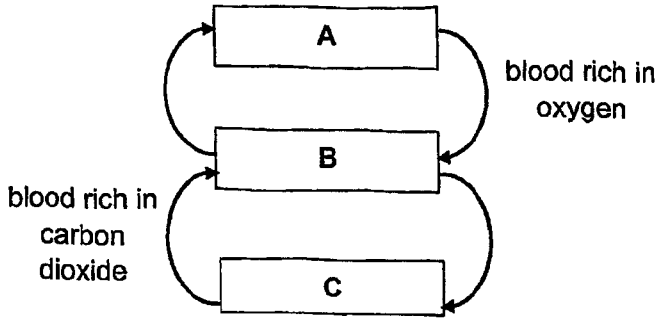


Which of the following shows the possible temperatures of water in cups X and Y at the start of the experiment?

	X (°C)	Y (°C)
(1)	30	10
(2)	10	40
(3)	40	10
(4)	40	30

( )

6. The diagram below shows the blood flow in parts A, B and C of the human body.



Which of the following correctly represents the body parts A, B and C?

	A	B	C
(1)	heart	lungs	leg
(2)	lungs	leg	heart
(3)	lungs	heart	leg
(4)	leg	heart	lungs

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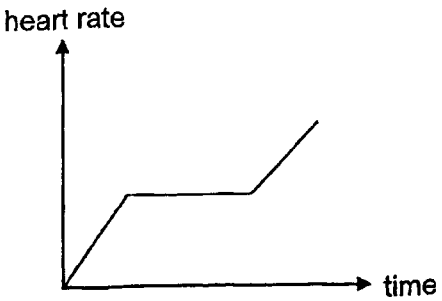
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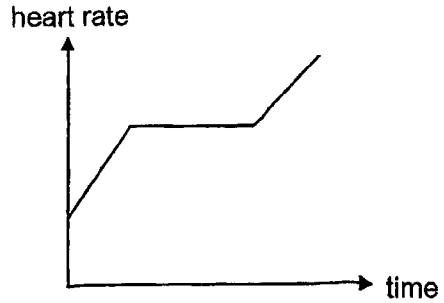
7. Ali began running for a period of time before slowing down to a walk. After walking for a while, he started running again.

Which of the graphs below correctly shows how Ali's heart rate changed?

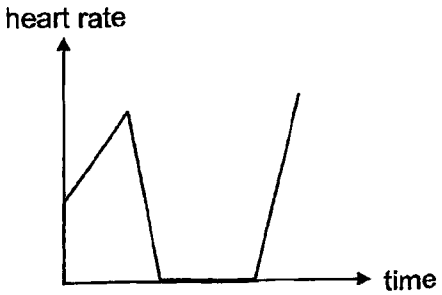
(1)



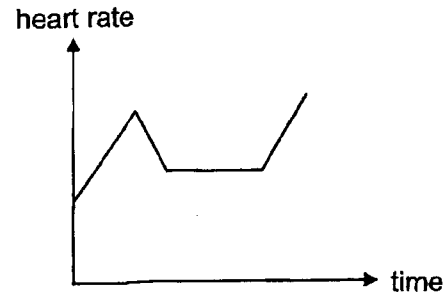
(2)



(3)



(4)



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8. Jenny wanted to find out if the number of roots affect the amount of water taken in by a plant.

Which of the following variable(s) should she keep the same?

A. number of roots
B. number of leaves
C. type of plant
D. thickness of stem

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

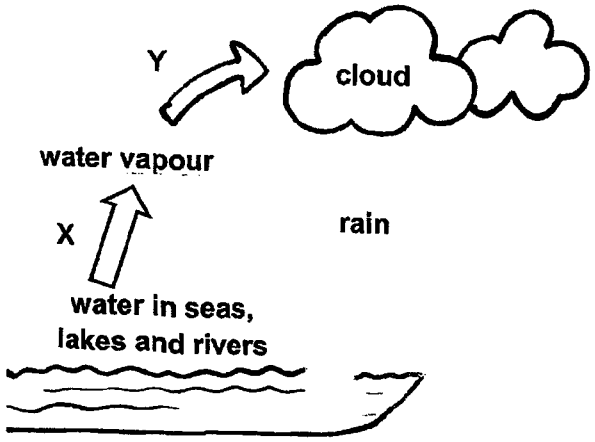
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SECTION B : [14 marks]
For questions 9 to 12, write your answers in this booklet.

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

9. (a) The diagram below shows the water cycle.



Based on the diagram, name the processes X and Y. [2]

X: _____

Y: _____

(b) On a hot day, John poured some water on his head.



Explain why John felt cooler as the water dried up. [1]

_____

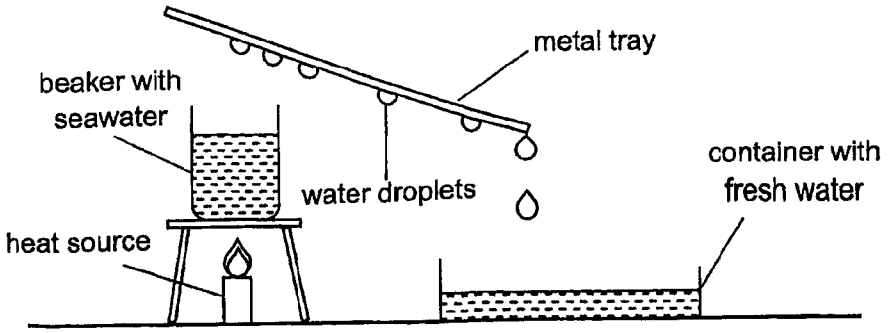
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Marks: / 3

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10. Lisa was trying to collect freshwater from seawater using the set-up as shown below. She heated the beaker until the seawater boils.



(a) Explain how fresh water would be collected in the container. [2]

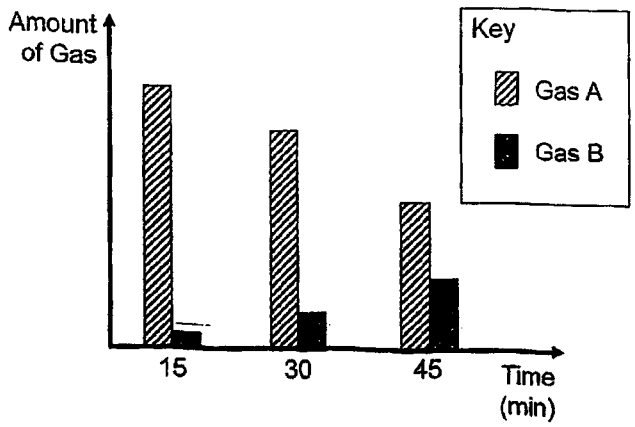
(b) After some time, she observed that there were less water droplets dripping into the container even though the seawater continued to boil.

Explain her observation. [2]

Marks: / 4

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11 (a) Some people were trapped in a small room. Some panicked and started banging and kicking the door. The graph below shows the amount of two different gases present in the room at different times.



(i) Identify Gas B. [1]

(ii) Give a reason for your answer in a(i). [1]

(b) When John exercised, his breathing rate and heart rate increased.

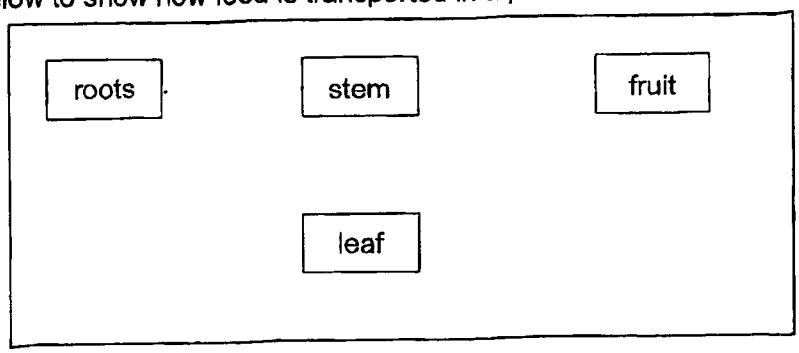
(i) Explain why John's breathing rate increased. [1]

(ii) Explain why John's heart rate increased. [1]

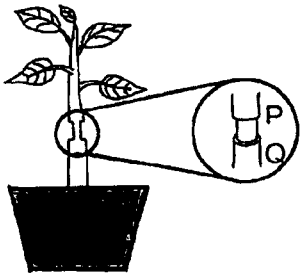
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12 (a) Four parts of a plant are shown below. Draw arrows in the diagram below to show how food is transported in a plant. [1]



(b) An outer ring of the stem between positions P and Q of a plant is removed. The tubes which carry food between positions P and Q are removed while the tubes carrying water remain in the stem.



John measured the thickness of part P and Q over a period of time.

He recorded his results in the table below.
Write "**P**" and "**Q**" into the spaces to correctly show how they change over time. [1]

	Thickness of stem (cm)		
Part	**Day 1**	**Day 3**	**Day 7**
	6.0	6.0	6.0
	6.0	6.8	7.5

Based on the results, explain why the thickness of stem increased. [1]

_____

_____

Marks: / 3

~ END OF PAPER ~

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SCHOOL : MAHA BODHI PRIMARY SCHOOL

LEVEL : PRIMARY 5
SUBJECT : SCIENCE
TERM : WA2 2025

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

Q9)	a) X: Evaporation Y: condensation b) Water gains heat from John's body and evaporates. Or John lost heat to the water for it to change into water vapour.
Q10)	a) When the sea water boils the water will turn into steam. The steam rises and comes into contact with cooler metal. It loses heat and condenses into water droplets. b) The metal tray gain heat from the warmer water vapour so the warmer water vapour from the sea water would lose less heat and lesser water vapour would condenses and become droplets.
Q11)	a)i)Carbon dioxide ii)People gave out carbon dioxide during breathing so mor carbon dioxide over time. b)i)The body need to take more oxygen and give out more carbon dioxide . ii)Heart pump faster to transport more oxygen and digested food.
Q12)	a)roots ← stem → fruit ↑ leaf b)Q , P

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	Food from the leaves were not able to be transported past P so the food was lost at P causing the stem to well.

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