Anglo-Chinese School
(Primary)
A Methodist Institution
(Founded 1886)

20

P5 SCIENCE
WEIGHTED ASSESSMENT 2

Name: _____ ( ) Date: 13 May 2025

Class: P5____

Duration: 30 mins Parent's Signature: _____

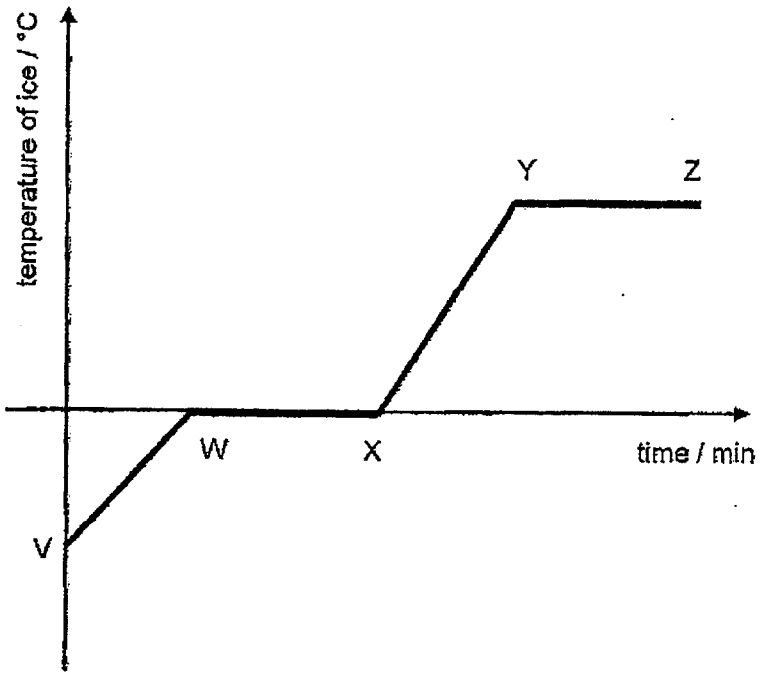
Multiple Choice Questions (12 marks)

For each question from 1 to 6, four options are given. One of them is the correct answer. Write your choice (1, 2, 3 or 4) in the brackets ( ) provided.

Use the graph below to answer Questions 1 and 2.

Thomas left a piece of ice on the classroom table.

The changes in the temperature of ice over time were recorded and shown in the graph below.



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1 Based on the graph, which statement is most likely to be true?

(1) The ice is losing heat at XY.

(2) The ice is losing coldness at VW.

(3) It stops gaining heat at WX.

(4) It stops gaining heat at YZ.

( )

2 Based on the graph, what were the states of ice in at VW and XY?

	state at VW	state(s) at XY
(1)	solid	gas
(2)	solid	liquid & gas
(3)	liquid	liquid
(4)	liquid	liquid & gas

( )

3 The table below shows the melting and boiling points of two substances, A and B.

substance	melting point / °C	boiling point / °C
A	15	57
B	23	85

At what temperature would both substances A and B be in the solid state?

(1) 13°C

(2) 19°C

(3) 47°C

(4) 96°C

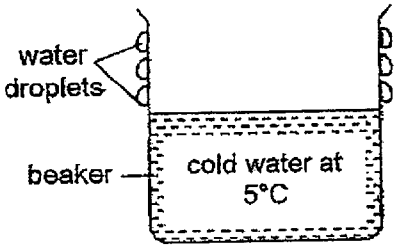
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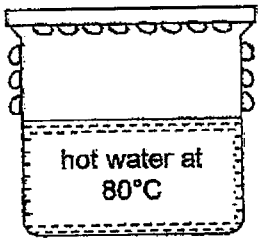
4 An experiment was carried out using four glass beakers with the same amount of hot or cold water poured into each. Two of the beakers were then covered with a metal lid.

Given that the experiment was conducted at room temperature, which one of the following correctly shows where water droplets would form after 3 minutes?

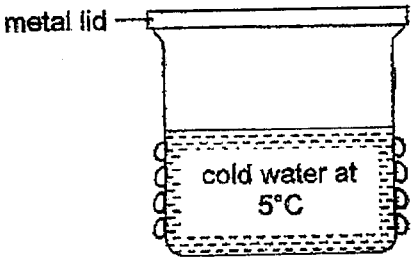
(1)



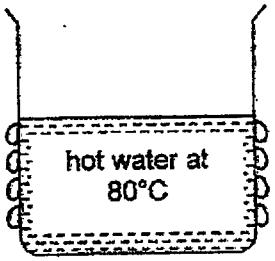
(2)



(3)



(4)

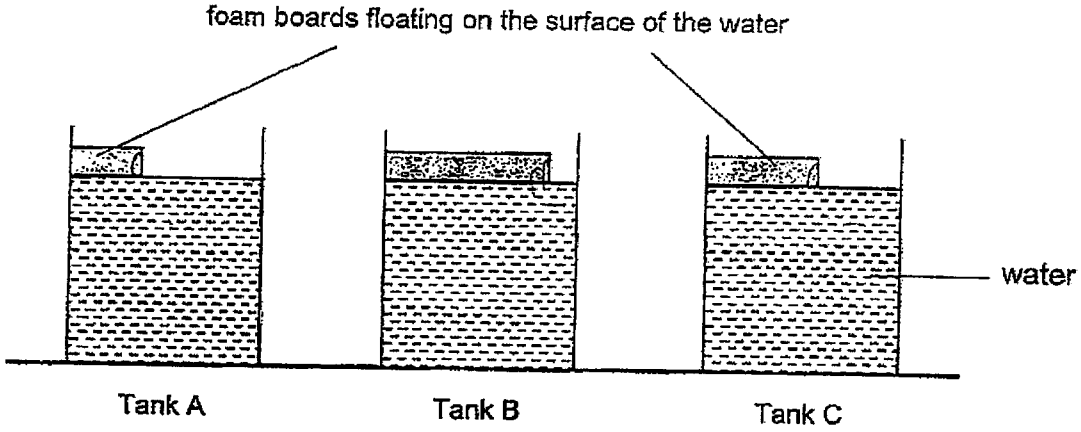


( )

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5 Ali carried out an experiment using three identical tanks, A, B and C. He filled each tank with an equal amount of water and then placed a foam board in each one.

The foam boards were of different sizes and floated on the surface of the water as shown in the diagram below.



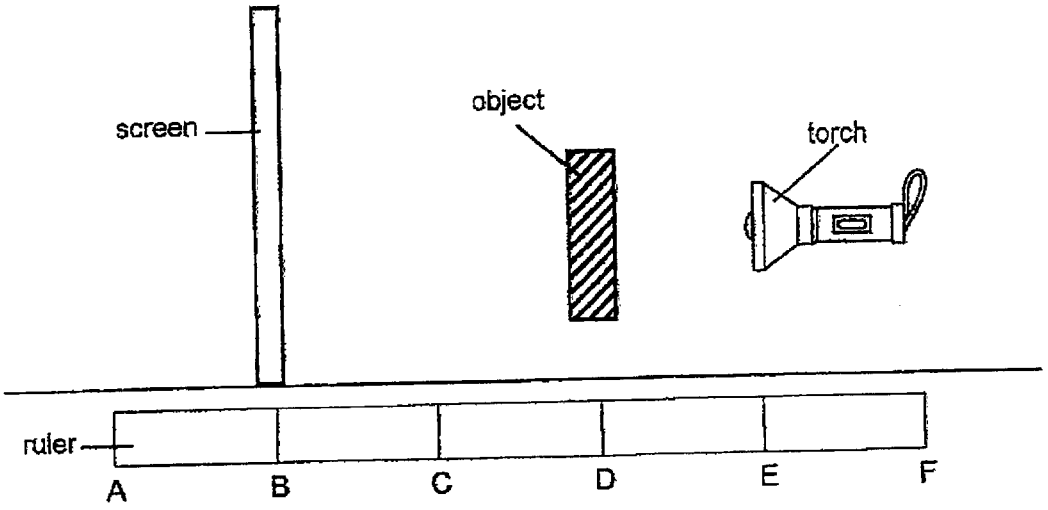
After two days, Ali recorded the volume of water left in each tank.

Which of the following shows the correct arrangement of the volume of water in the tanks from the least to the most?

	least →		most
(1)	A	C	B
(2)	A	B	C
(3)	B	A	C
(4)	B	C	A

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6 Robert placed a torch at position F and an object at position D to cast a shadow on the screen as shown below.



Which of the following actions will result in a larger shadow being cast on the screen?

(1) Move the torch to F.

(2) Move the object to C.

(3) Move the screen to A.

(4) Move the screen to C.

( )

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Open-Ended Questions (8 marks)

For questions **7 to 9**, write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each part.

7 Three Plant J were planted on a piece of land as shown in Diagram 1.

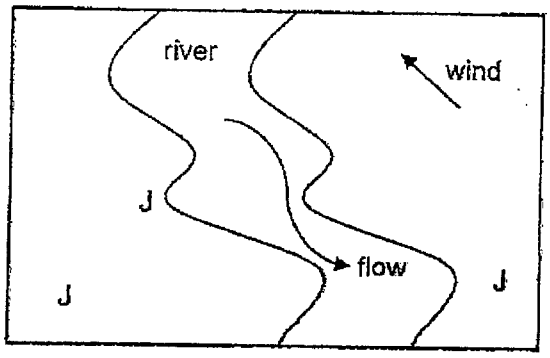


Diagram 1

A few years later, the growth of Plant J was studied. The locations of the three types of plants were identified and indicated in Diagram 2.

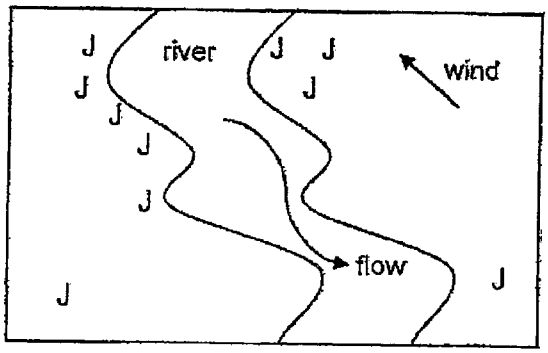


Diagram 2

(a) State the method of dispersal for the fruits of Plant J. Explain. [2]

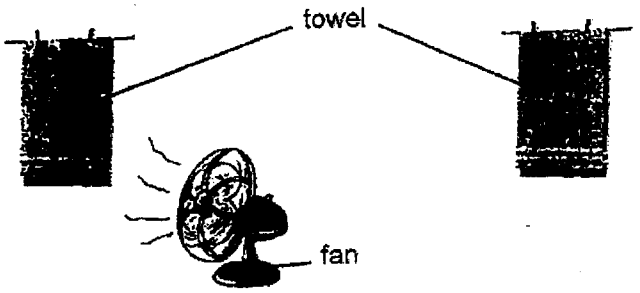
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(b) State a possible characteristic of the fruit of plant J that enables it to be dispersed by the method stated in (a). [1]

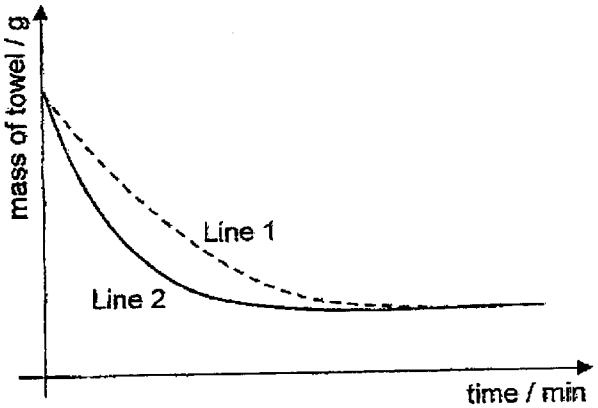
(c) Explain the importance of seed dispersal for the survival of plant J. [1]

8 Eunice carried out an experiment using the set-up as shown below.



set-up J set-up K

She added 50 ml of water to each towel before placing both set-ups in the same room. She then measured the mass of each towel every 5 minutes and recorded the results in the graph as shown below.

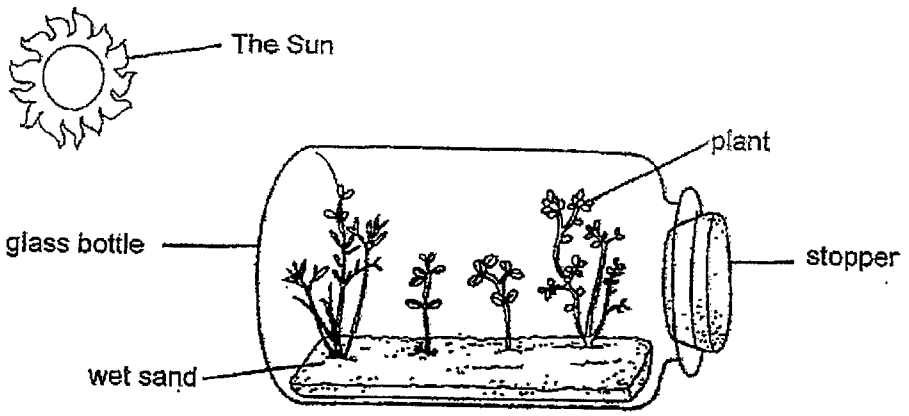


Based on the information above, which line, 1 or 2, represents set-up J? Explain. [2]

4

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9 Study the set-up below.



After two weeks, it is observed that the plants remain healthy even though no water is added. Explain the observation. [2]

End of Paper

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YEAR : 2025
LEVEL : PRIMARY 5
SCHOOL : ANGLO-CHINESE SCHOOL (PRIMARY)
SUBJECT : SCIENCE
TERM : WEIGHTED ASSESSMENT 2

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

Q7	a)	Wind. The young plant J can be found growing in the same direction as the wind.
	b)	Wing-like structures.
	c)	To reduce overcrowding so that there is less competition for spare, water, sunlight and mineral salts.
Q8		The mass of evaporation decreased at a faster rate. J has wind present and so the rate of evaporation of water is faster.
Q9		The water in the wet sand gained heat from the sun and evaporated into water vapour. The water vapour came into contact with the cooler inner surface of the glass bottle, lost heat and condensed into water droplets. The water droplets slid down the bottle into the sand watering the plants.

1

END

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