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南侨小学

NAN CHIAU PRIMARY SCHOOL
LEARNING REVIEW
2025
SCIENCE PAPER
PRIMARY 4

Name / Index no.		( )
Class	Primary 4	
Date	29 April 2025	
Duration	40 min	
Marks	MCQ	/16
	Structured	/14
	Total	/30
Parent's Signature		

Instructions to students	1.	Do not turn over this page until you are told to do so.
	2.	Follow all instructions carefully.
	3.	Answer all questions.
	4.	Write your answer in the bracket provided.

This paper consists of 10 pages altogether.

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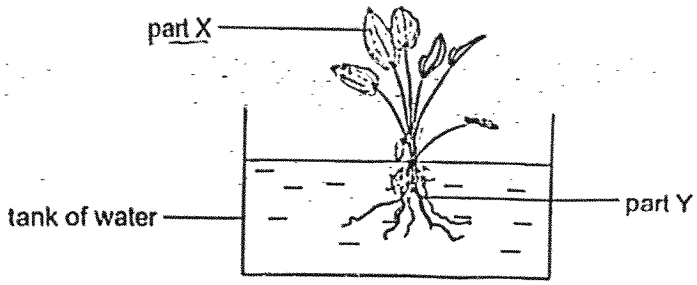
For each question, four options are given. One of them is the correct answer. *Make your choice* (1, 2, 3 or 4) and write your answer in the bracket provided.

[16 marks]

1. The diagram below shows a floating water plant in a tank.

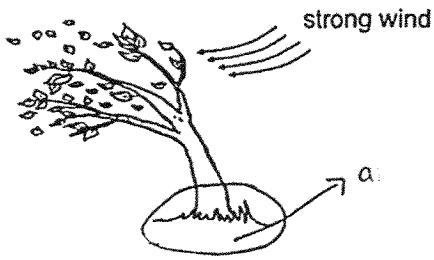


Which one of the following is correct?

	Part	Name of part	Function
(1)	X	leaf	makes food
(2)	X	root	absorbs water
(3)	Y	leaf	makes food
(4)	Y	root	absorbs only nutrients

( )

2. The diagram below shows a tree being blown by strong wind.



The _____ of the tree prevented it from being blown away by the strong wind.

(1) stem
(2) roots
(3) leaves
(4) branches

( )

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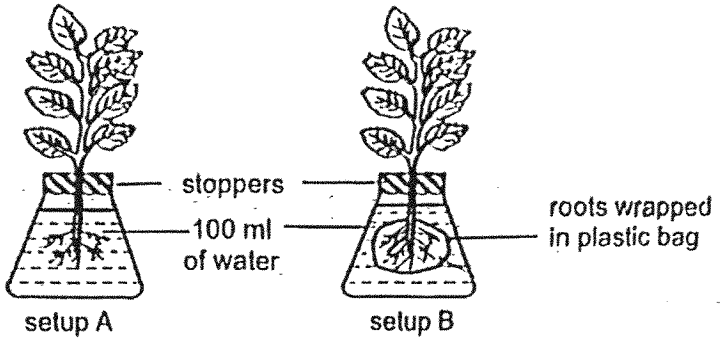
3. Calus prepared two similar setups A and B and placed them under the Sun for two days as shown below.

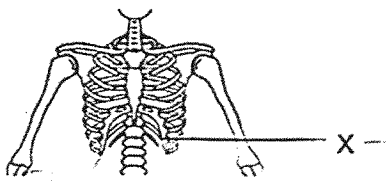


Which of the following shows the amount of water left in each setup after two days?

	Amount of water left in each setup (*ml*)	
	A	B
(1)	100	100
(2)	100	75
(3)	75	100
(4)	75	75

( )

4. The diagram below shows part of a human skeleton.



Part X protects the _____.

A : brain
B : heart
C : lungs

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

( )

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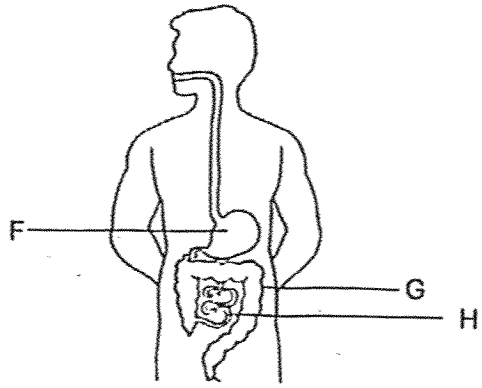
5. The diagram below shows parts of the human digestive system.

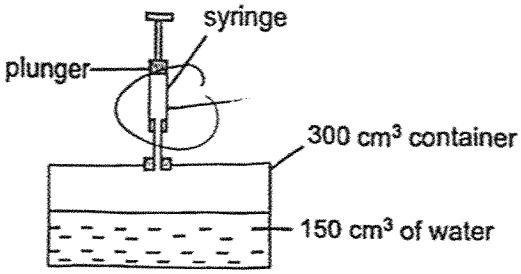


Which of the following letters are correctly matched to its function?

	Digested food is absorbed into the bloodstream	Water is absorbed from the undigested food
(1)	G	F
(2)	F	G
(3)	H	F
(4)	H	G

( )

6. The diagram below shows a syringe that is connected to a container. When the plunger is pushed in completely, 50 cm^3 of air is pushed into the container.



What would be the volume of air in the container after fully pushing the plunger twice?

(1) 100 cm^3
(2) 150 cm^3
(3) 250 cm^3
(4) 300 cm^3

( )

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7. Mary bought a cup of juice as shown in diagram 1. While drinking the juice through a straw, she observed some juice inside the straw as shown in diagram 2.

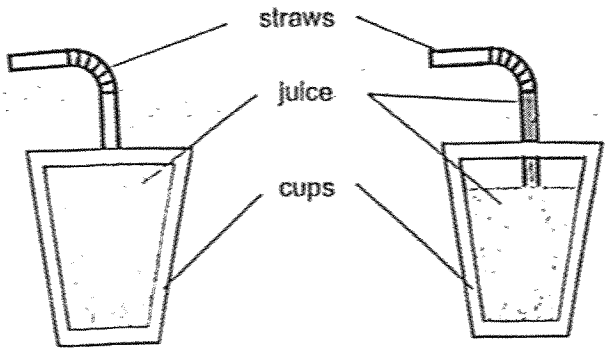

diagram 1 diagram 2

From her observation only, Mary concluded that the juice _____.

(1) has mass
(2) has a definite shape
(3) has no definite shape
(4) cannot be compressed

( )

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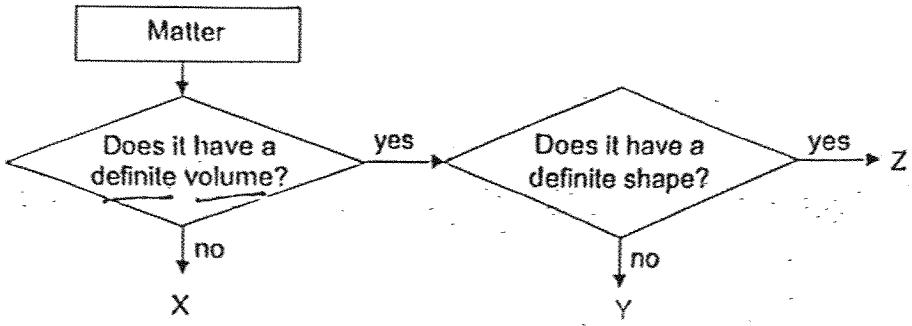
8. Study the flowchart below.



Which of the following items correctly represent X, Y and Z?

	X	Y	Z
	milk	air	rock
(2)	air	rock	milk
(3)	air	milk	rock
(4)	rock	air	milk

( )

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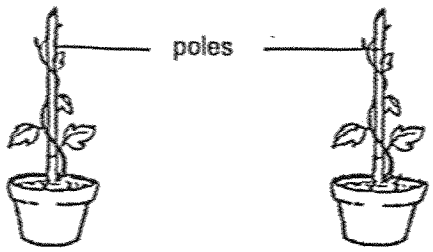
For questions 9 to 13, write your answers in this booklet.

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

[16 marks]

9. Peter placed two similar potted plants A and B in a field. He only watered plant A. A few days later, he observed that plant A continued to grow healthily while plant B had withered.



(a) What type of stem do both plants A and B have? [1]

_____

(b) Explain how the poles help both plants when making food. [2]

_____

_____

_____

(c) Explain why plant B withered. [1]

_____

_____

SCORE 4

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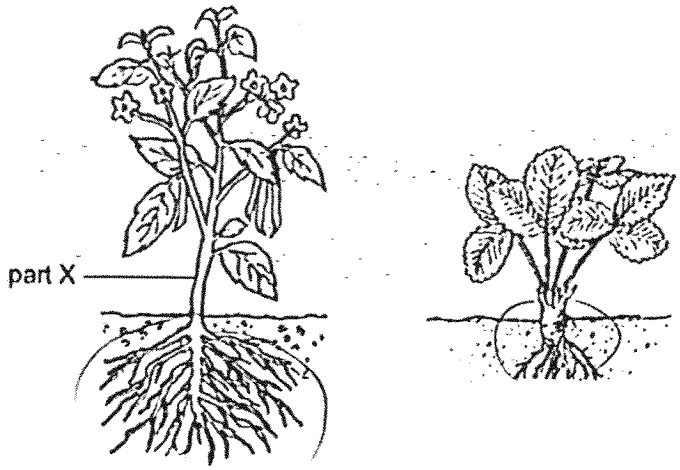
10. The diagrams below show two different types of flowering plants E and F.



plant E plant F

(a) What is the function of part X? [1]

_____

_____

(b) The roots of plant E are more widely spread than the roots of plant F.
Give one advantage of having more widely spread roots. [1]

_____

_____

SCORE 2

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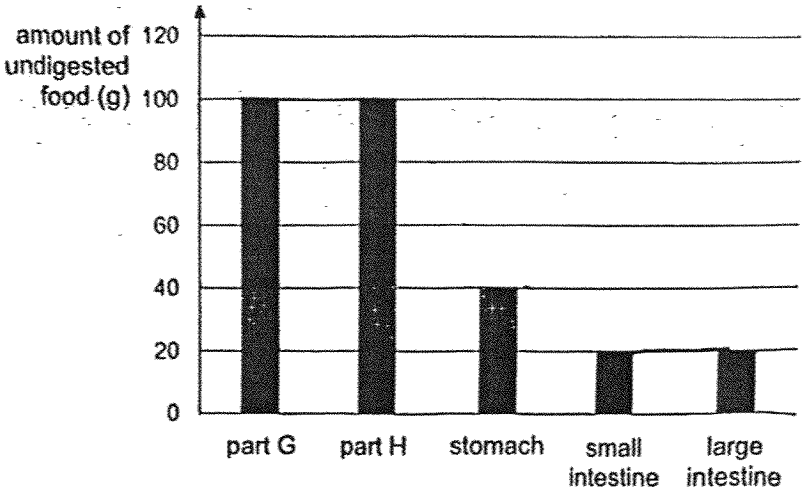
11. The graph below shows the amount of undigested food as it leaves each part of the human digestive system.



parts of the human digestive system

(a) Identify part G and part H of the human digestive system. [1]

Part G: _____

Part H: _____

(b) Explain why the amount of undigested food that leaves both the large intestine and small intestine is the same. [1]

_____

_____

SCORE 2

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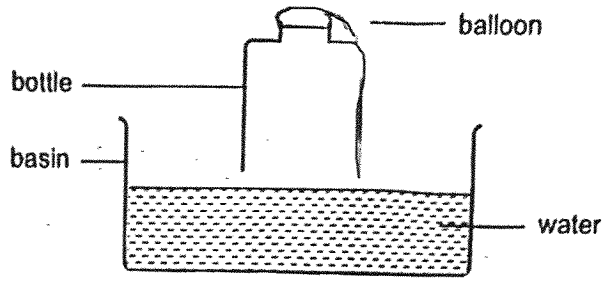
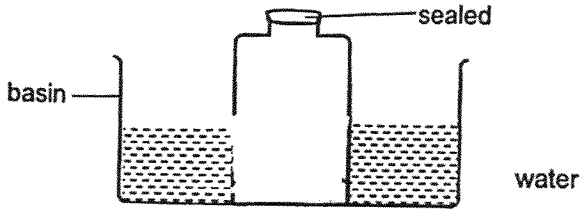
12. Jenny attached a balloon to the mouth of a plastic bottle with its bottom cut off as shown in the diagram.



(a) When she pushed the bottle into the water, the balloon became inflated. Explain why this happened. [1]

Jenny removed the balloon and sealed the mouth of the opening. She repeated the experiment and pushed the bottle into the water.



(b) Draw the water level in the bottle. [1]

(c) Explain your answer in (b). [1]

SCORE 3

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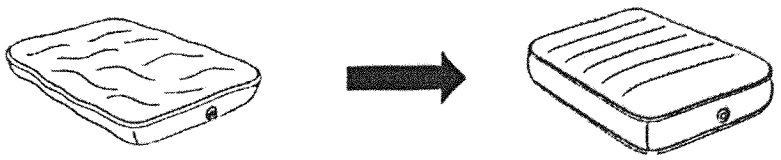
13. Lucas pumped air into a travel pillow as shown in the diagram.



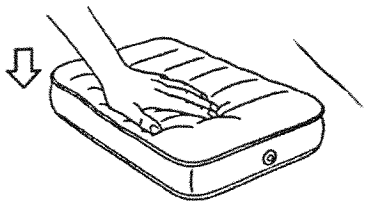
before air was pumped

after air was pumped

(a) Which physical property of air does this show? [1]

(b) Did the mass of the travel pillow increase, decrease or remain the same after Lucas pumped air into it? Give a reason for your answer. [1]

The pillow is sealed and can be pressed down a little when someone is lying on it.



(c) Which physical property of air allowed the pillow to be pressed down? [1]

End of Paper

SCORE 3

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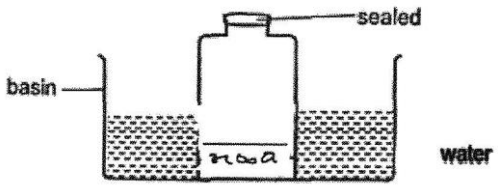
LEVEL : PRIMARY 4
SUBJECT : SCIENCE
TERM : 2025 WEIGHTED ASSESSMENT 2

Q1)	1
Q2)	2
Q3)	3
Q4)	4
Q5)	4
Q6)	2
Q7)	3
Q8)	3
Q9)	a) Both plants have weak stem. b) The pole allows the plant to grow taller. This allows the plant to trap more sunlight to make more food. c) Plant B did not receive water which it needed to survive.
Q10)	a) Part X holds the plant upright and supports the leaves so that the leaves can make food. It also transports food, water and mineral salts to the various parts of the plant. b) The roots can hold the plant more firmly to the ground.
Q11)	a) Part G: Mouth Part H: Gullet b) There is no digestion that takes place in the large intestine.
Q12)	a) Some water entered the bottle and pushed the air in the bottle to enter the balloon, occupying the space in the balloon. b) 

	c) Some water is able to enter the bottle to occupy some space. The air in the bottle can be compressed.
Q13)	a) Air occupies space. b) Increases. There is more air in the pillow. Air has mass so the pillow now has more mass too. c) Air can be compressed.