



MARKS	
Sect A:	/ 10
Sect B:	/ 10
Total :	/ 20

Name : _____ ()

Class : Primary 3 _____

Date : _____

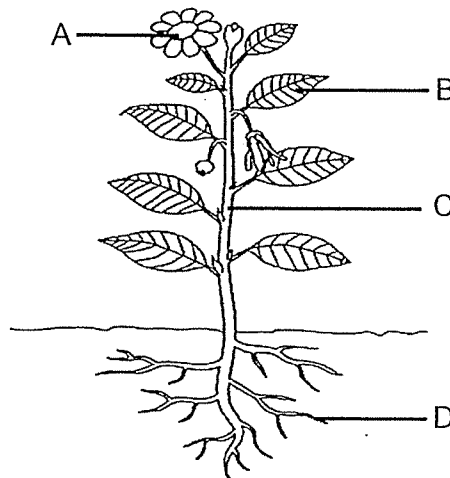
Parent's signature: _____

Answer all questions.

Section A: (5 x 2 marks = 10 marks)

For each question from 1 to 5, 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 brackets provided.

1 The diagram below shows a flowering plant.

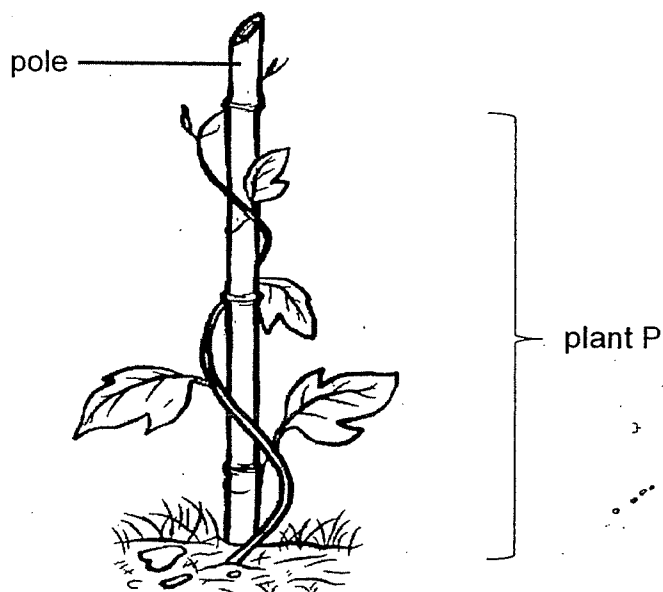


Which part, A, B, C or D, does the plant get its food from?

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

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- 2 Plant P has a weak stem and it grows on a pole for support as shown in the picture below.



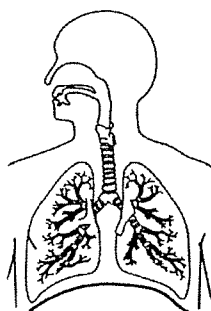
Which statement below about plant P is **true** when the pole is removed?

- (1) Plant P will die immediately.
- (2) Plant P makes less food as it receives less sunlight.
- (3) Plant P will not be able to absorb water from the ground.
- (4) Plant P will grow a thicker stem to stand upright on its own. ()

- 3 Mr Lim went for an operation to remove part of his large intestine due to a disease. Which of the following statements is true after his operation?

- (1) Food will take a longer time to be digested.
- (2) Food will take a longer time to be absorbed.
- (3) Undigested food will become drier and harder.
- (4) Undigested food cannot be turned into solid waste. ()

- 4 Study the organ system below.



What is the function of the organ system shown above?

- (1) digests food
- (2) gives our body its shape
- (3) transports digested food in our body
- (4) takes in and removes air from our body

()

- 5 The picture below shows Kristy riding a bicycle.



As Kristy cycles faster, she starts to breathe faster.
Which of the following statements is correct?

- (1) Kristy's digestive system stops working when she cycles.
- (2) Kristy's circulatory system stops working when she stops cycling.
- (3) Kristy's respiratory system needs to take in more air when she is cycling faster.
- (4) Only Kristy's skeletal and muscular systems are working together when she cycles.

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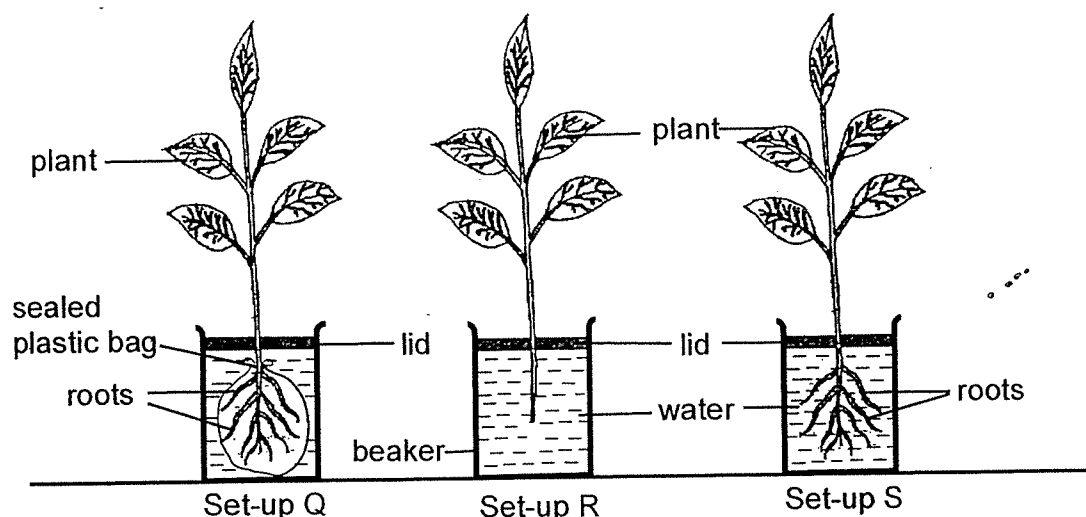
Total marks for section A

Score	
	10

Section B: Structured questions (10 marks)

For each question from 6 to 8, write your answers in the space provided. The number of marks available is shown in brackets [] at the end of each question or part question.

- 6 Study the set-ups shown below. Each beaker is filled with 200 ml of water. The lid covers the top of the beaker.



- (a) Complete the table by writing 'R' and 'S' in the correct boxes.

[1]

Set-up	Amount of water left in the beaker after 4 hours(ml)
<input type="text"/>	160
<input type="text"/>	185
Q	(b) ?

- (b) What is the amount of water left in the beaker of Set-up Q after 4 hours? Write your answer in the box below.

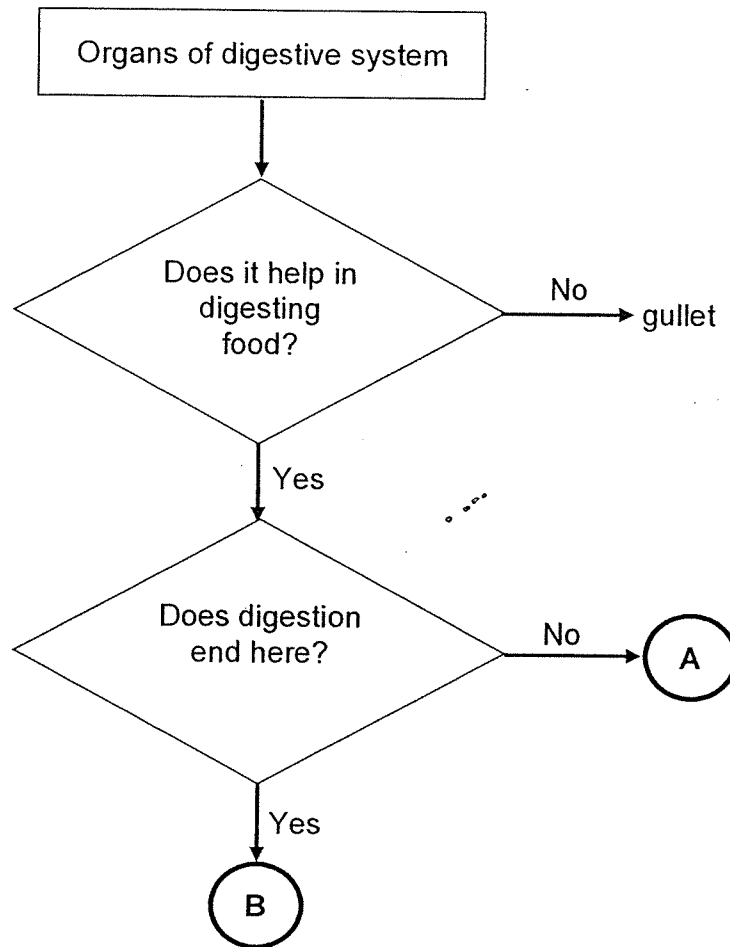
[1]

 ml

- (c) Give a reason for your answer in (b).

[1]

7 Study the flowchart below.



(a) Name organs A and B.

[1]

Organ A: _____

Organ B: _____

(b) State the function of gullet.

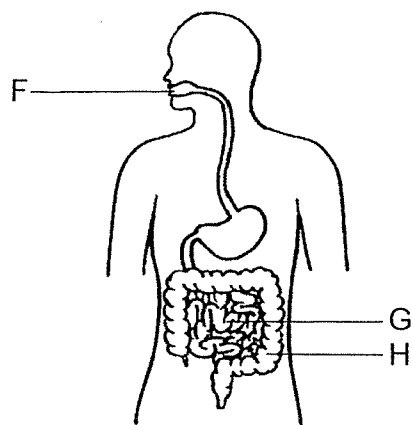
[1]

(c) Digested food is absorbed into the blood at the _____
and transported around the body by the _____ system.

[1]

Score	
	3

- 8 The diagram below shows the human system Y.

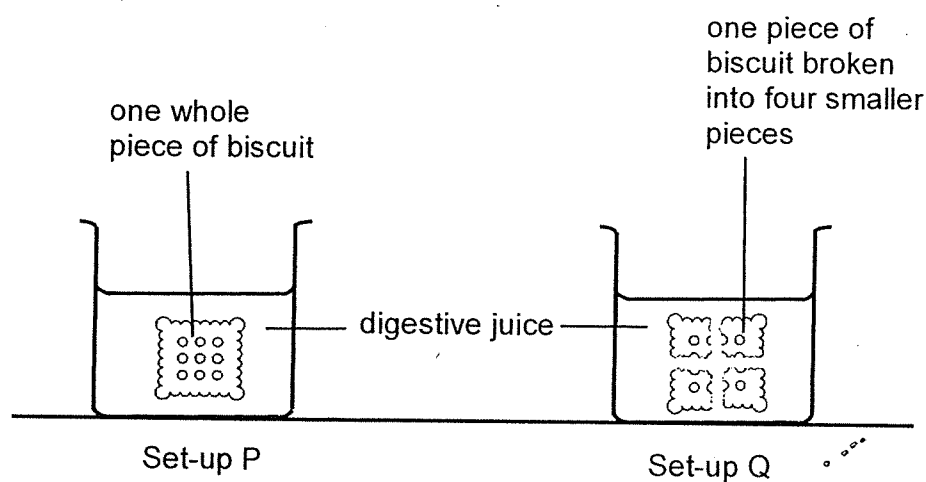


system Y

- (a) Organs F, G and H belong to the same organ system Y. The statements below describe how these organs work. Put a tick (✓) in the correct column to indicate if the statement is true or false. [2]

Statements	True	False
(i) Digestion begins at organ F.		
(ii) Digestion is completed at organ G.		
(ii) Organ H stores remaining digested food.		

- (b) Two similar pieces of biscuit are placed into set-ups P and Q as shown in the diagrams below.



It is observed that the smaller pieces of biscuit in set-up Q was broken down faster than one whole piece of biscuit in set-up P. Explain why. [2]

End of paper

Score	
	4

Nan Hua Primary School
T3WA
Primary 3 Science

Answer key

Section A: (5 × 2 marks)

Qn	Ans
1	2
2	2
3	4
4	4
5	3

SECTION B (10 marks)

Note deduct ½ mark for each additional wrong information.

Qn	Answer												
6.	<table><tr><td>(a)</td><td><table><tr><th>Set-up</th><th>Amount of water left in the beaker after 4 hours(ml)</th></tr><tr><td>S</td><td>160</td></tr><tr><td>R</td><td>185.</td></tr></table></td></tr></table>	(a)	<table><tr><th>Set-up</th><th>Amount of water left in the beaker after 4 hours(ml)</th></tr><tr><td>S</td><td>160</td></tr><tr><td>R</td><td>185.</td></tr></table>	Set-up	Amount of water left in the beaker after 4 hours(ml)	S	160	R	185.				
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Set-up	Amount of water left in the beaker after 4 hours(ml)												
S	160												
R	185.												
	(b) 200/ two hundred												
	(c) The roots could not absorb / take in water.												
7.	(a) Organ A : <u>mouth</u> OR <u>stomach</u> Organ B: <u>small intestine</u>												
	(b) The gullet transports (partially digested) food down from the mouth to the stomach .												
	(c) small intestine circulatory												
8	(a) <table><tr><th>Statements</th><th>True</th><th>False</th></tr><tr><td>(i) Digestion begins at organ F.</td><td>✓</td><td></td></tr><tr><td>(ii) Digestion is complete at organ G.</td><td>✓</td><td></td></tr><tr><td>(ii) Organ H stores remaining digested food.</td><td></td><td>✓</td></tr></table>	Statements	True	False	(i) Digestion begins at organ F.	✓		(ii) Digestion is complete at organ G.	✓		(ii) Organ H stores remaining digested food.		✓
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(i) Digestion begins at organ F.	✓												
(ii) Digestion is complete at organ G.	✓												
(ii) Organ H stores remaining digested food.		✓											
	(b) The smaller pieces of biscuits have a bigger/larger surface area that is in contact with/ exposed to/ touching the digestive juice so it gets digested faster/more easily than the whole biscuit.												

