



MARKS	
Sect A:	/ 10
Sect B:	/ 10
<b>Total :</b>	<b>/ 20</b>

Name : \_\_\_\_\_ ( )

Class : Primary 3 \_\_\_\_\_

Date : \_\_\_\_\_

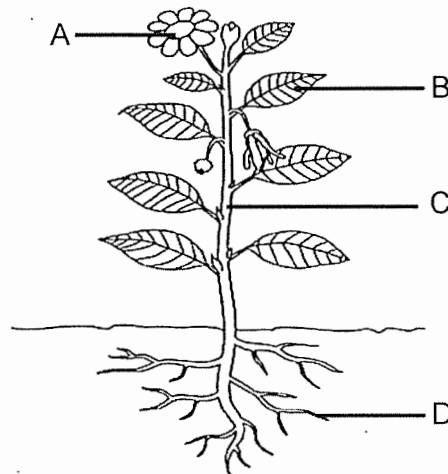
Parent's signature: \_\_\_\_\_

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.

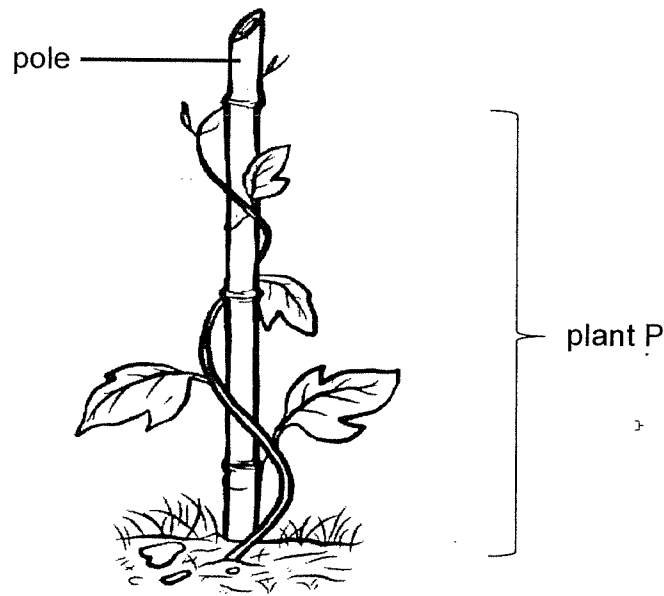


Which part, A, B, C or D, does the plant get its food from?

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

( )

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



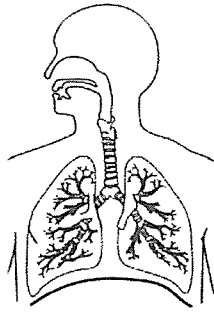
Which statement below about plant P is **true** when the pole is removed?

- (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. ( )

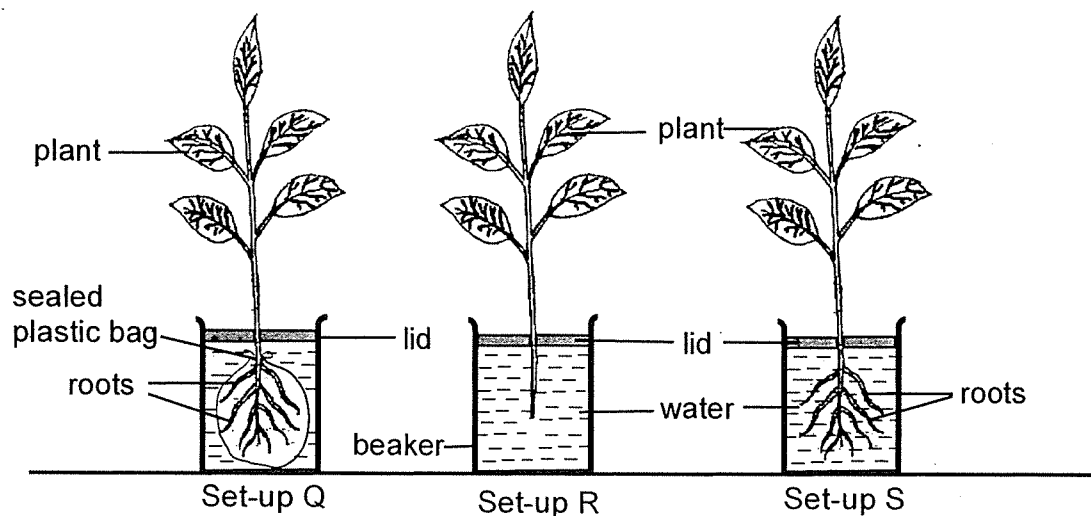
Total marks for section A

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="checkbox"/>	160
<input type="checkbox"/>	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]

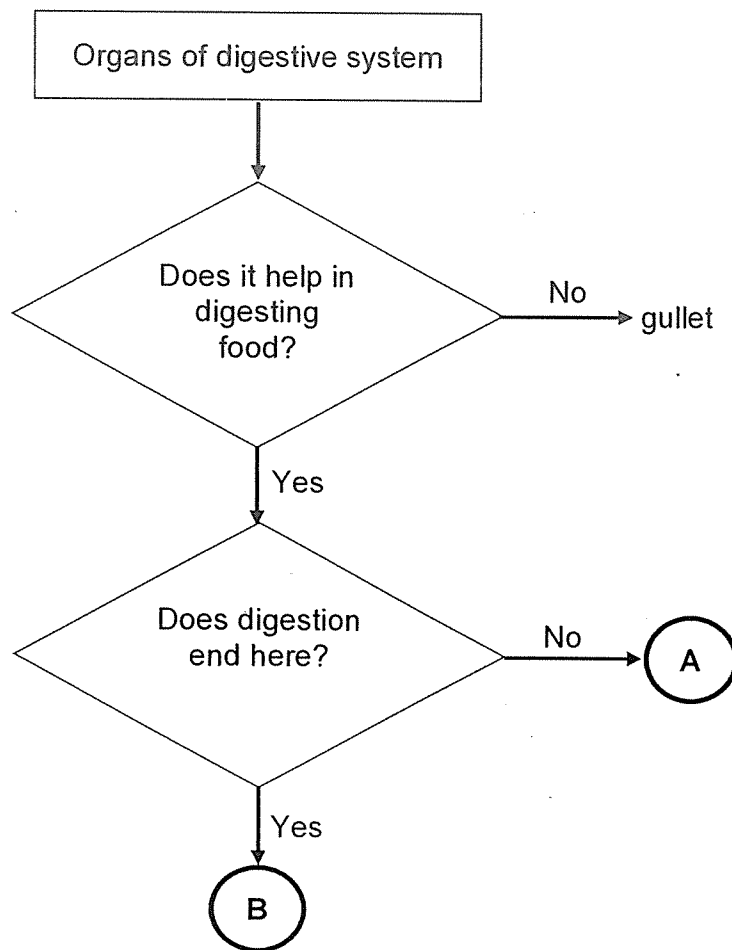
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Score	3
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7 Study the flowchart below.



(a) Name organs A and B.

[1]

Organ A: \_\_\_\_\_

Organ B: \_\_\_\_\_

(b) State the function of gullet.

[1]

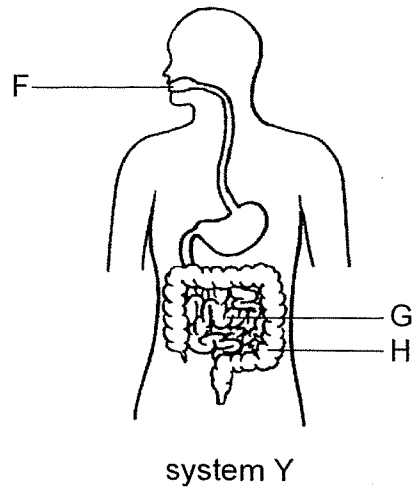
\_\_\_\_\_

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

[1]

Score	
	3

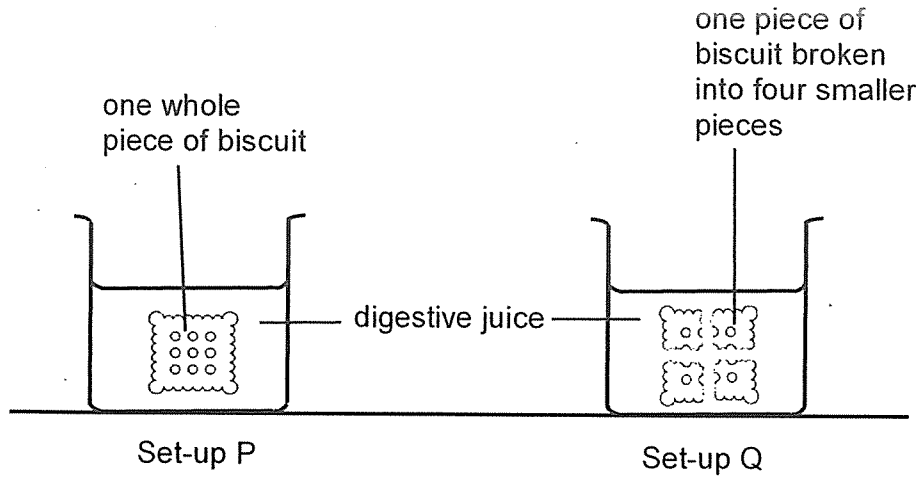
8 The diagram below shows the human system Y.



(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]

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End of paper

Score	
	4



Nan Hua Primary School  
T3WA 2021  
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 border="1" style="margin-left: 20px;"> <tr> <td>(a)</td> <td><b>Set-up</b></td> <td><b>Amount of water left in the beaker after 4 hours(ml)</b></td> </tr> <tr> <td></td> <td><b>S</b></td> <td>160</td> </tr> <tr> <td></td> <td><b>R</b></td> <td>185</td> </tr> </table>	(a)	<b>Set-up</b>	<b>Amount of water left in the beaker after 4 hours(ml)</b>		<b>S</b>	160		<b>R</b>	185							
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	<b>S</b>	160															
	<b>R</b>	185															
	(b) 200/ two hundred																
	(c) The roots could not absorb / take in water.																
7.	(a) Organ A : <u>mouth OR 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	<table border="1" style="margin-left: 20px;"> <tr> <td>(a)</td> <td><b>Statements</b></td> <td><b>True</b></td> <td><b>False</b></td> </tr> <tr> <td></td> <td>(i) Digestion begins at organ F.</td> <td style="text-align: center;">✓</td> <td></td> </tr> <tr> <td></td> <td>(ii) Digestion is complete at organ G.</td> <td style="text-align: center;">✓</td> <td></td> </tr> <tr> <td></td> <td>(ii) Organ H stores remaining digested food.</td> <td></td> <td style="text-align: center;">✓</td> </tr> </table>	(a)	<b>Statements</b>	<b>True</b>	<b>False</b>		(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 <b>bigger/larger surface area</b> that is <b>in contact with/ exposed to/ touching the digestive juice</b> so it gets digested faster/more easily than the whole biscuit.																

2  
340