Nee Hua Primary School
Primary 3 Science
Term 3 Weighted Assessment

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

Name : _____( )

Class : Primary 3 ____

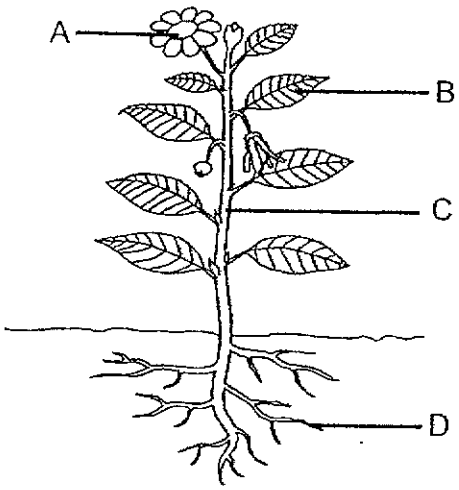
Date : _____

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.

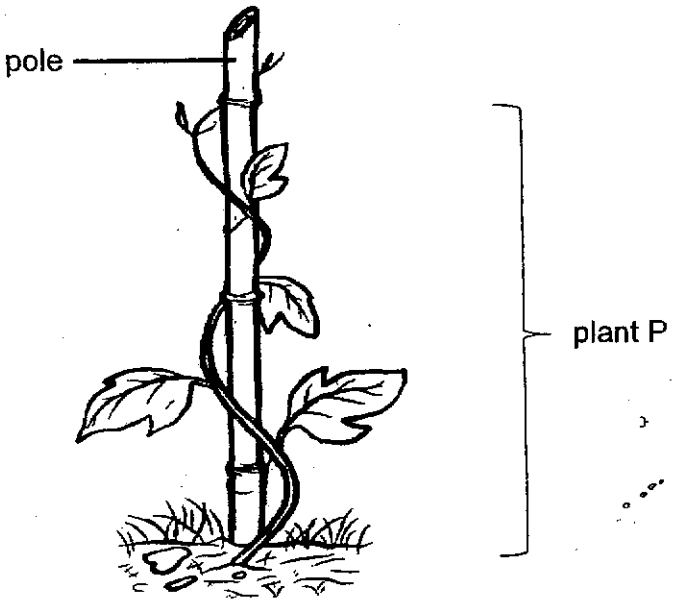


Which part, A, B, C or D, does the plant get its food from?

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

( )

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.

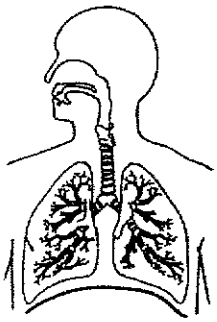
(2) Food will take a longer time to be absorbed.

(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. ( )

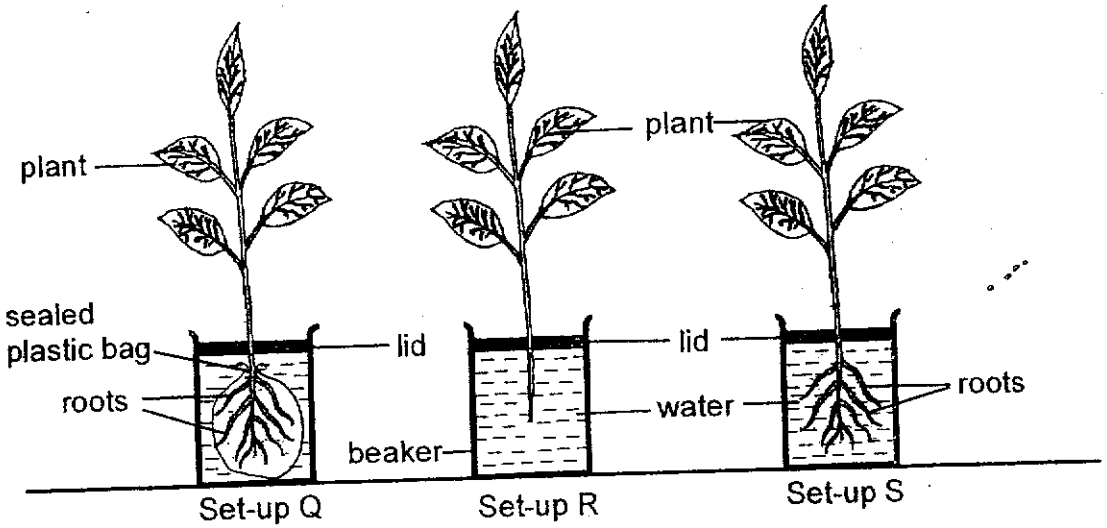
Total marks for section A

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)
	160
	185
Q	**(b) ?**

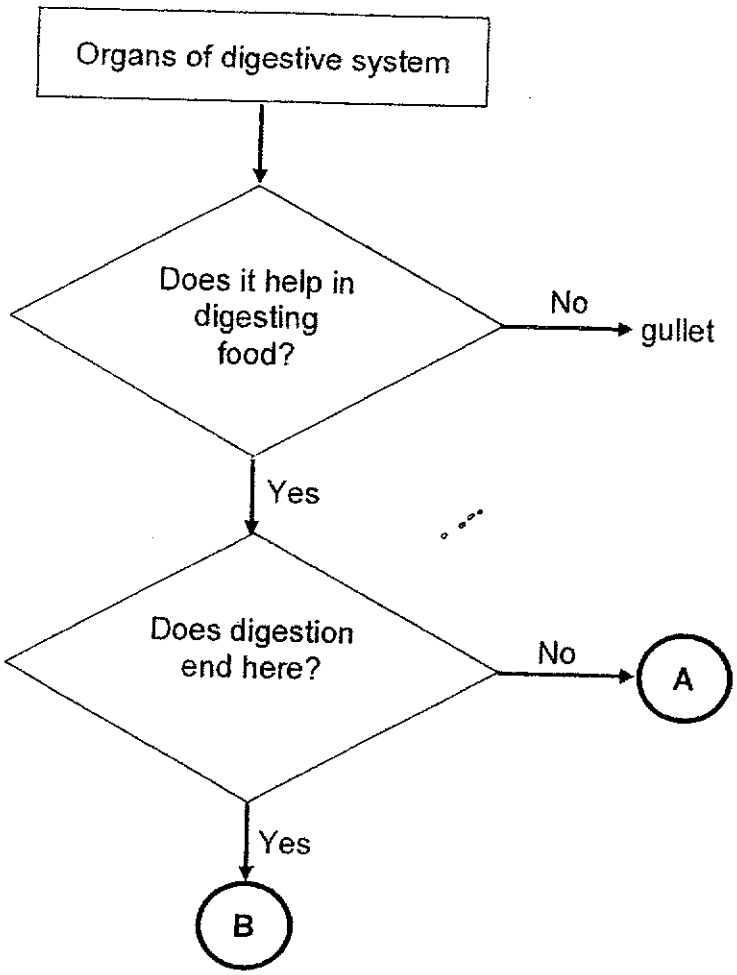
(b) What is the amount of water left in the beaker of Set-up Q after 4 hours? Write your answer in the box below. [1]

ml

(c) Give a reason for your answer in **(b)**. [1]

Score 3

7 Study the flowchart below.



(a) Name organs A and B. [1]

Organ A: _____

Organ B: _____

(b) State the function of gullet. [1]

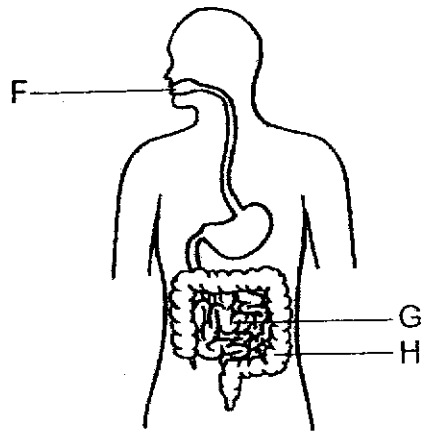
_____

(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.

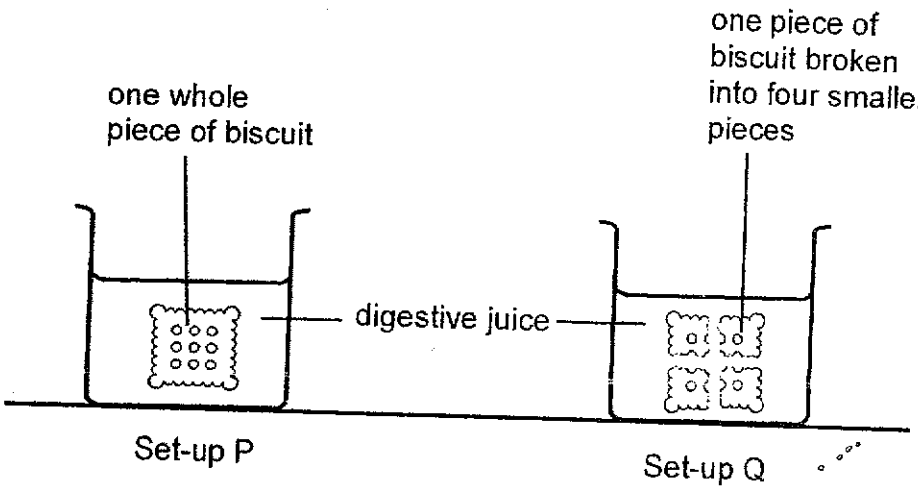


system Y

(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.	(a)

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 : mouth OR stomach Organ B: small intestine
	(b) The gullet transports (partially digested) food down from the mouth to the stomach.
	(c) small intestine circulatory
8	(a)

Statements	True	False
(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.

1

HD