Nan Hua Primary School
Primary 4 Science
Term 1 Weighted Assessment 2025

Marks	
Section A:	/10
Section B:	/10
Total:	**/20**

Name: _____( )

Class: Primary 4S_____

Date: _____

Duration: 30 minutes

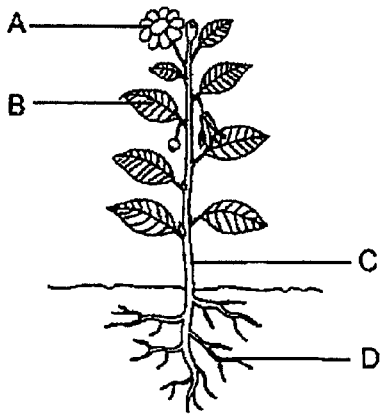
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Parent's Signature

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 plant.



Which part helps the plant to make food?

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

( )

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This booklet consists of 7 printed pages.

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2 Diana wanted to carry out an experiment to find out if the amount of water given to a plant will affect its growth. She listed some of the variables of the experiment below.

J Type of plant

K Amount of water given to each plant

L Amount of light given to each plant

M Height of each plant at the end of the experiment

Which of the variables should she keep the same to ensure that the experiment is fair?

(1) K only

(2) J and L only

(3) K and M only

(4) J, L and M only

3 The table below shows how some parts of the human body are classified.

Circulatory System	Muscular System	Skeletal System
heart	muscles	windpipe
blood vessels		skull

Which part is placed in the wrong group?

(1) skull

(2) heart

(3) windpipe

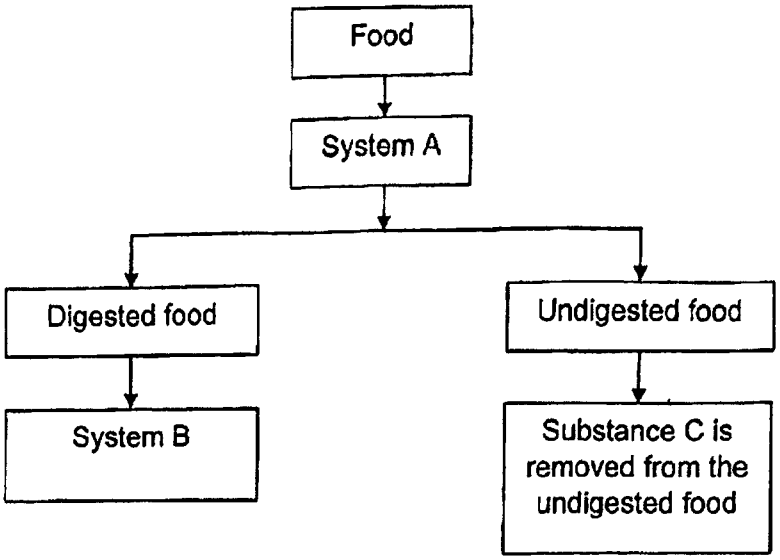
(4) blood vessels

4 Which of the following represents the function(s) of the stomach?

	Digest food	Absorb digested food into blood	Transport digested food to other parts of the body
(1)	X	X	✓
(2)	✓	X	✓
(3)	✓	X	X
(4)	X	✓	X

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5 The diagram below shows what happens to the food we eat when it enters our body.



Which statement(s) is/are true?

P Substance C is water.

Q All food that enters system A will be absorbed.

R Digested food enters system B through the walls of the large intestine.

(1) P only

(2) P and Q only

(3) Q and R only

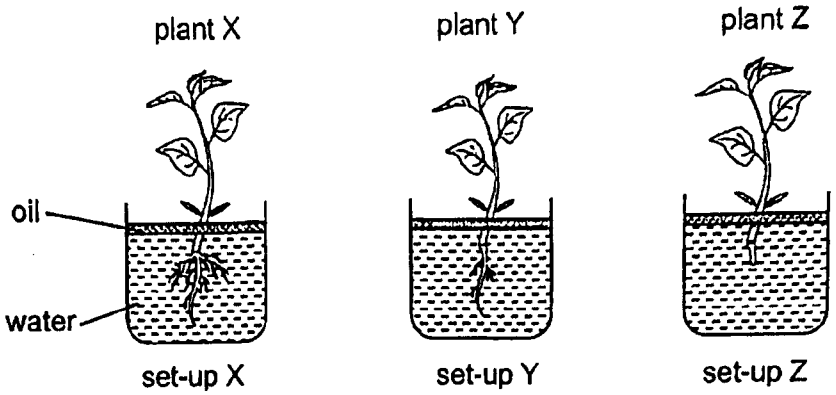
(4) None of the above ( )

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Section B: Structured questions (10 marks)
For questions 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 Devi carried out an experiment with three similar plants, X, Y and Z, in a well-lit room. She removed some roots from plant Y and all the roots from plant Z.



After one day, Devi measured the amount of water left in each set-up and recorded the results in the table below.

Set-up	Amount of water given (mℓ)	Amount of water left (mℓ)
X	500	360
Y	500	420
Z	500	480

(a) What is the aim of the experiment? [1]

(b) Which plant took in the most amount of water? Explain why. [1]

(c) Devi planted plant Z in the soil of her garden. After a heavy rain, plant Z was washed away. Explain why. [1]

Score	
	3

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7 (a) Name the part(s) of the human respiratory system [1]

_____

(b) State the function of the human respiratory system. [1]

_____

_____

(c) Name the human system that carries substances around the body. [1]

_____

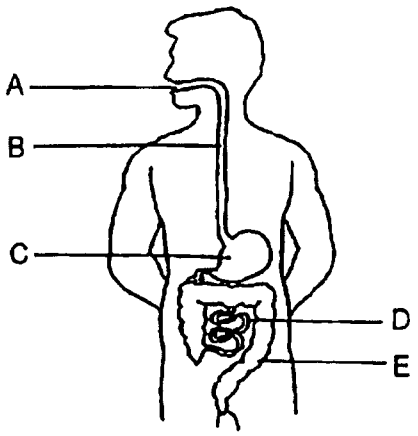
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Score	/3

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8 **(a)** State what digestion is. [1]

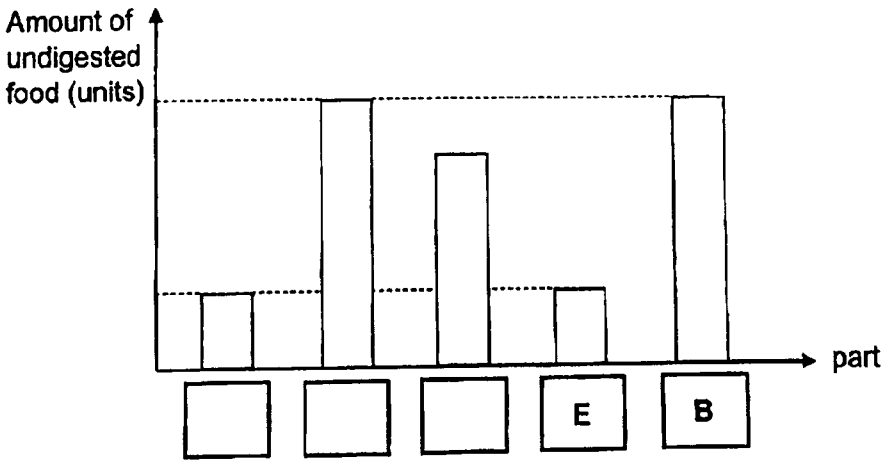
The diagram below shows the human digestive system.



The graph below shows the amount of undigested food leaving each part A, B, C, D and E after a meal.

Parts B and E have been labelled.

(b) Fill in the remaining boxes with parts A, C and D. [1]



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(c) Jane's mother advised her to chew her food more times before swallowing. Explain how that will help in the digestion of the food. [2]

_____

_____

_____

End of paper

Score	
	4

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STUDENT ANSWER KEY

Section A:

Qn	Answer
1	2
2	2
3	3
4	3
5	1

Section B:

Qn	Answer
6a	To find out if the amount / number of roots will affect the amount / volume of water taken in by the plant.
6b	Plant X. [Choice] The amount of water left is the least. [Evidence from the results in the table] It has the most amount / number of roots. [Concept] Thus, it took in the most amount of water. [Link]
6c	Plant Z has no roots to anchor itself to the soil / ground.
7a	Nose, windpipe, lungs
7b	It is to exchange gases with the surroundings.
7c	Circulatory system
8a	Digestion is the process of breaking down the food into simpler / simple substances.
8b	D, A, C
8c	Food is broken down into smaller pieces. There is more surface (area) of the food in contact with/touching the digestive juices. So, digestion is faster / more .

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