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WA2

Anglo-Chinese School (Primary)

A Methodist Institution (Founded 1886)

15

2024 P4 Science
Weighted Assessment 2

Name: _____ ( ) Parent's Signature: _____

Class: P4 ____

Date: 30 Apr 2024(T2W7)
Duration: 25 minutes

Section A: Investigation (5 marks) Performance Task

1 Recall the properties of materials that you learnt in 'Exploring Materials' (Primary Three topic). Follow the instructions and write your answer in the space provided.

[2]

Instructions: 1. You are given three materials, A, B and C, and a torch. 2. Use the lit torch to test the property of the material. Process skill: Comparison
Which material **allows some light** to pass through? Material _____
Which material **allows most light** to pass through? Material _____
Which material **allows no light** to pass through? Material _____

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A lit candle is placed in the lantern in Diagram 1. Part X of the lantern was raised as shown in Diagram 2. The candle (shown by the dotted outline) will not be seen from the outside but the latern will be bright enough to light up the area around it.

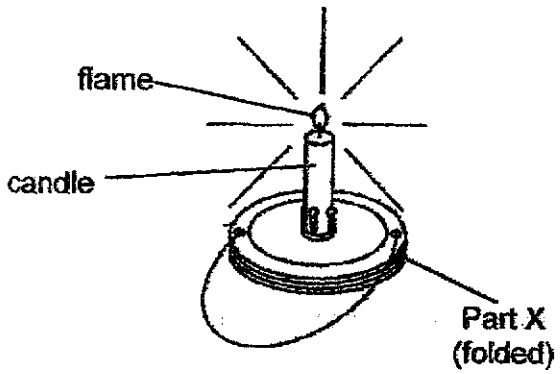


Diagram 1

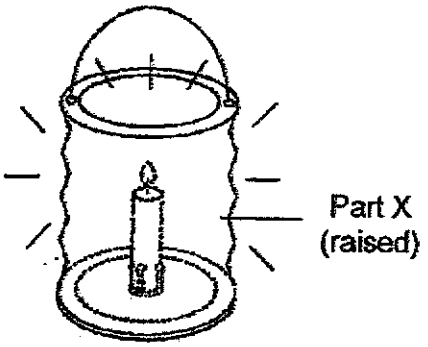


Diagram 2

(a) Which material, A, B and C, is most suitable for making part X? Explain your answer. [2]

(b) State one other property that the material you have chosen in (a) must have to make it suitable for its use. [1]

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Section B: Multiple-Choice Questions

For each question from 2 to 4, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade your answer in the Optical Answer Sheet. [6]

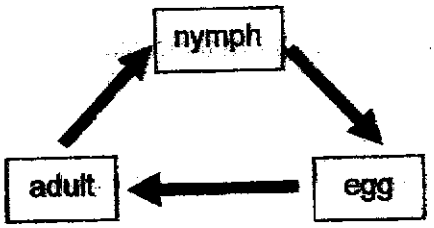
Optical Answer Sheet:

2
3
4

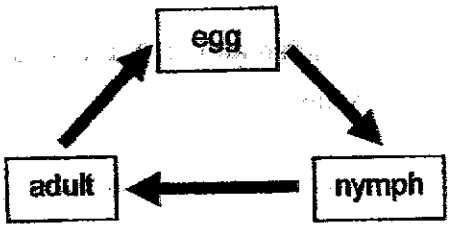
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2 Which of the following represents the life cycle of a grasshopper?

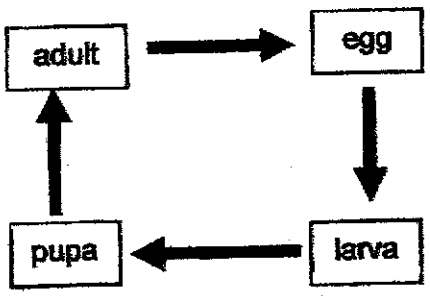
(1)



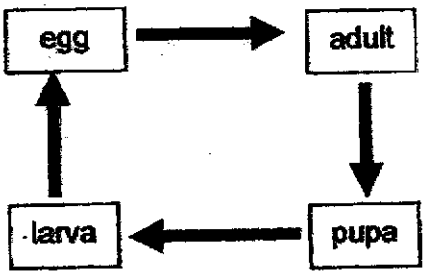
(2)



(3)



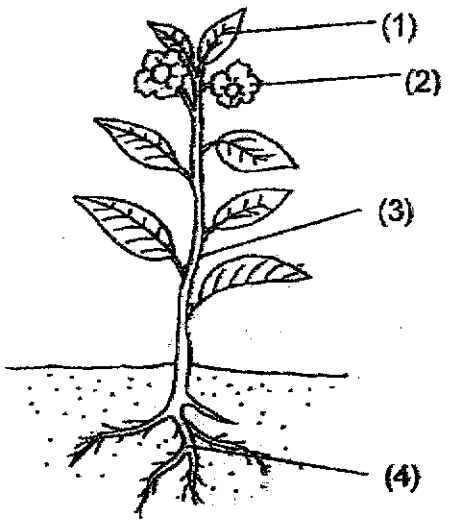
(4)



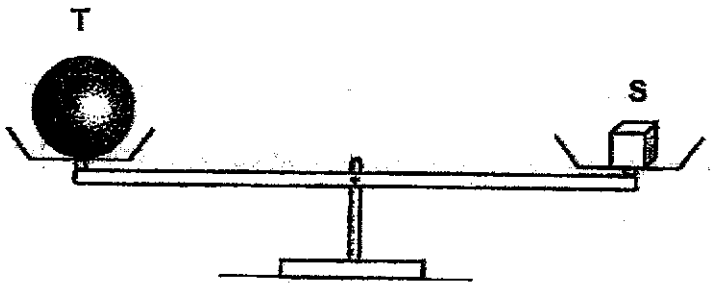
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3 The diagram shows a plant.

Which part, (1), (2), (3) or (4), helps to support the plant upright?



4 Study the diagram below.



Which of the following statements is true?

(1) Object T has a smaller volume than object S

(2) Both objects T and S have the same mass.

(3) Object T has a greater mass than object S.

(4) Both objects T and S have the same volume.

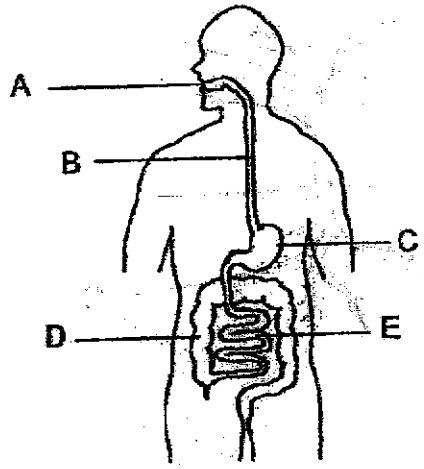
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Section C: Open-Ended Questions

For questions 5 and 6, write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part question.

[4]

5 Study the human digestive systems below.



(a) Write down the name(s) of the part(s) where digestive juice is produced.

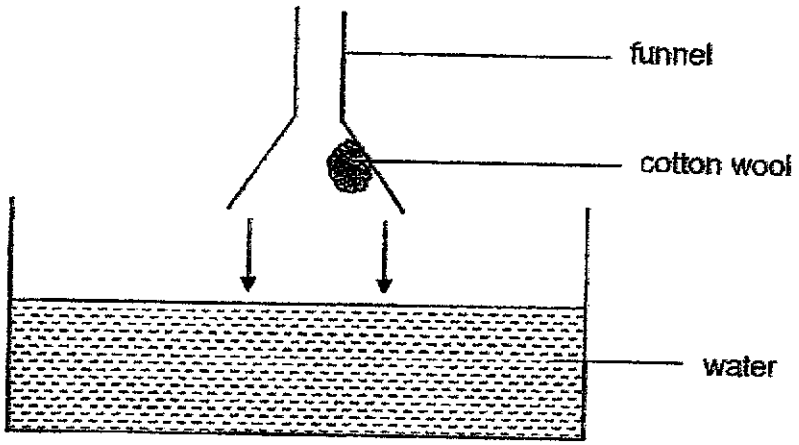
[1]

(b) In which part (A, B, C, D or E) is food cut into smaller pieces? Explain how this helps with digestion.

[1]

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6 Samuel glued a dry piece of cotton wool in a funnel as shown below. He then lowered the funnel into a basin of water.



What will Samuel observe? Explain why. [2]

End of Paper

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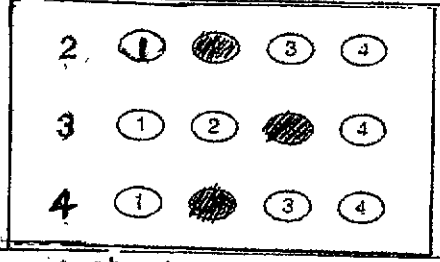
ANSWER KEY

YEAR : 2024
LEVEL : PRIMARY 4
SCHOOL : ACSP
SUBJECT : SCIENCE
TERM : WA 2

SECTION A

Q1	Material B Material A Material C a) It allows some light to pass through it will allow enough to pass to light up the area around it but it does not allow light to pass through. b) Flexible

SECTION B

Q2 Q3 Q4	
Q5	a) Mouth , stomach and the small intestine. b) A. When the food is cut into smaller pieces there will be more surface area making digestion faster.
Q6	The cotton wool will get wet air will escape from the tip of the funnel water air flow into the funnel to absorb the air in the funnel. The water level will rise in the funnel.

END

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