Anglo-Chinese School (Junior)

BITE-SIZED ASSESSMENT 1

PRIMARY 4

SCIENCE

Monday **35 min**

Name: _____ ( ) Class: 4.( ) Parent's Signature:_____

INSTRUCTIONS TO PUPILS

1 Do not turn over the pages until you are told to do so.

2 Follow all instructions carefully.

3 There are 7 questions in this booklet.

4 Answer ALL questions.

5 The marks are given in the brackets [ ] at the end of each question or part question.

Question Paper	Possible Marks	Marks Obtained
Total	**15**	

This question paper consists of 8 printed pages (inclusive of cover page).

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Answer questions 1 to 7. The number of marks available is shown in the brackets [ ] at the end of each question. (15 marks)

1. Unscramble the letters to solve the riddles. [2]

FELI CCLYE

I am a pattern that living things go through and I repeat myself continuously. → ____

GORF

I lay my eggs in water. My eggs have jelly-like covering. → ____

PHYMN

At this stage, I look like the adult but I am smaller and do not have wings. → ____

LUTOMING

During this process, the young of some animals grow a new skin and shed their old skin. → ____

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SCORE ____/2

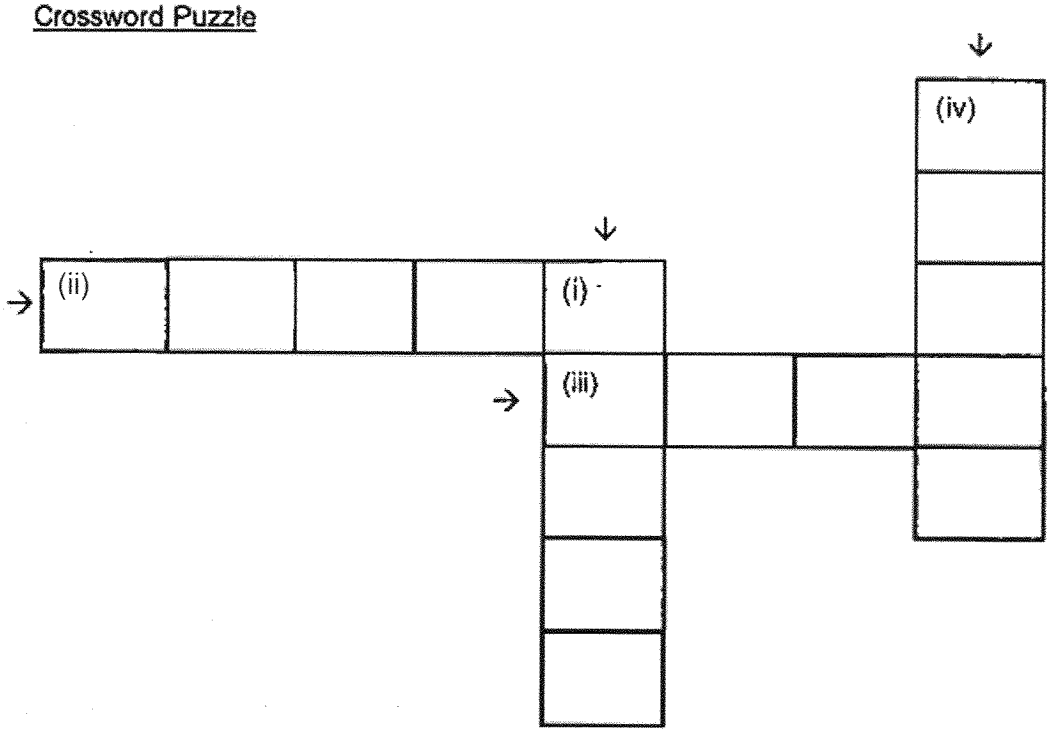
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2. Write the answers to the cloze passage in the crossword puzzle below. [2]

Cloze Passage

An adult mosquito lays its eggs in (i)_____ water. As it (ii)_____, it sheds its skin several times and eats a lot. When it changes into a pupa, it also breathes through an air (iii)_____ that pierces through the water surface. During this stage, it does not feed and it hardly (iv)_____.

Crossword Puzzle



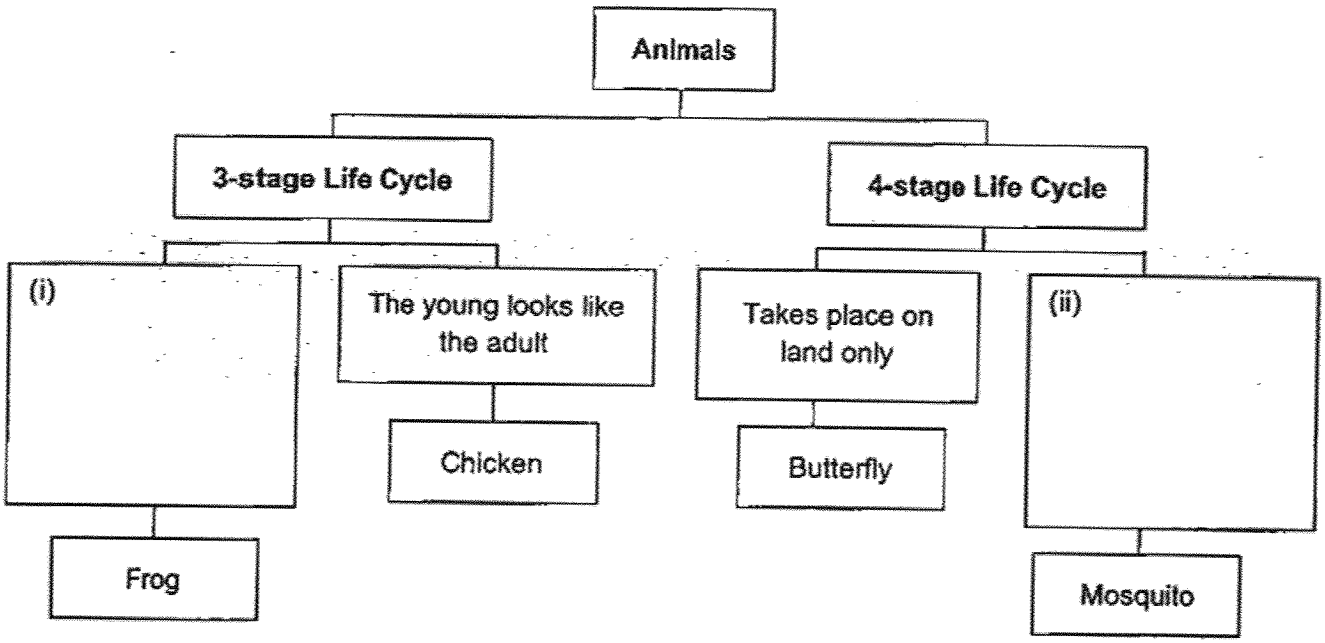
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SCORE	/ 2

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3. Study the classification diagram.

(a) Complete the diagram by filling in the boxes for (i) and (ii). [1]



(b) The life cycle of a mealworm beetle is most similar to the life cycle of a butterfly. Based on the diagram above, give two reasons why. [1]

Reason 1: _____

_____

Reason 2: _____

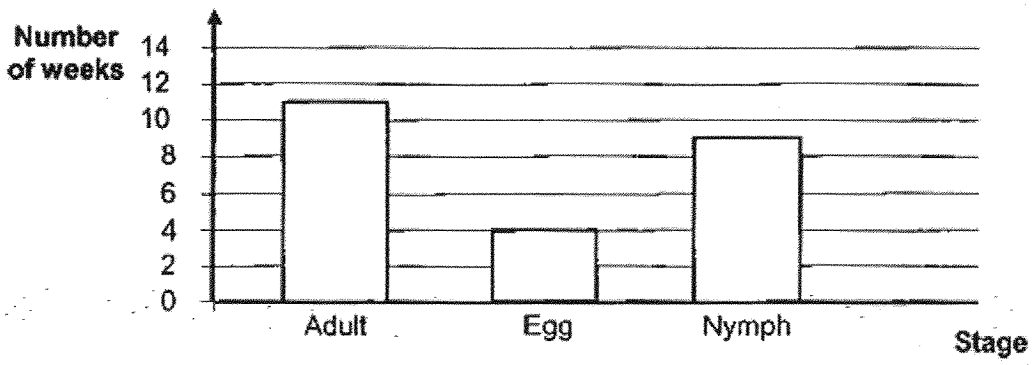
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SCORE	/ 2

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4. The graph shows the number of weeks that a grasshopper stays at the different stages of its life cycle.



Answer part (a) based on the graph. [1]

(a)(i) How many weeks does the grasshopper stay in its egg stage?

_____ weeks

(ii) How many weeks does an egg take to become an adult?

_____ weeks

(b) State a difference between the nymph and the adult grasshopper. [1]
(Do not compare size)

_____

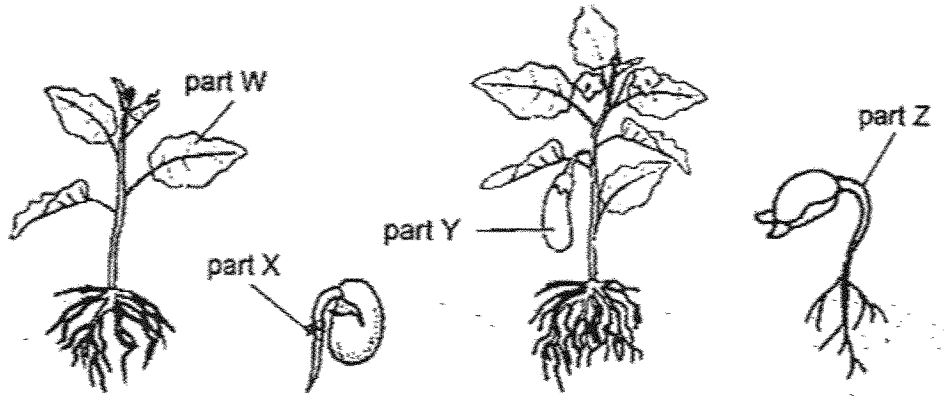
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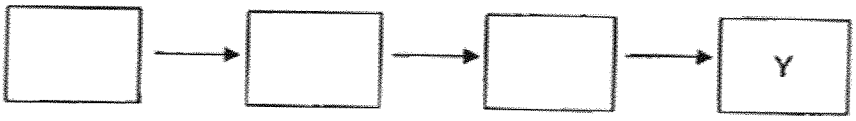
SCORE / 2

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5. The diagram shows the growth of a brinjal plant.



(a) Different parts of a plant start growing during different stages of its life cycle. Arrange parts W, X and Z of the plant in the order that they start growing. [1]



(b) How did the plant get food before part W developed? [1]

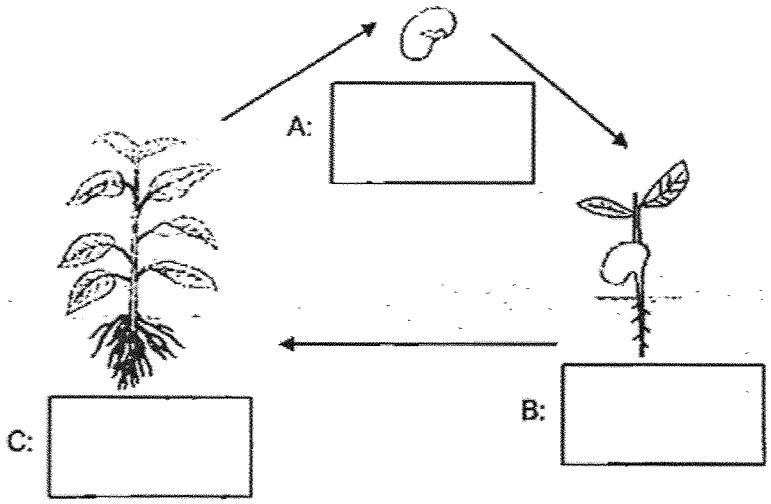
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SCORE	
	2

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6. The life cycle of a plant is shown.



(a) Name the stages of its life cycle by filling in the boxes A, B and C. [1]

(b) At which stages, A, B and/or C, is the plant able to make food? Explain why. [1]

_____

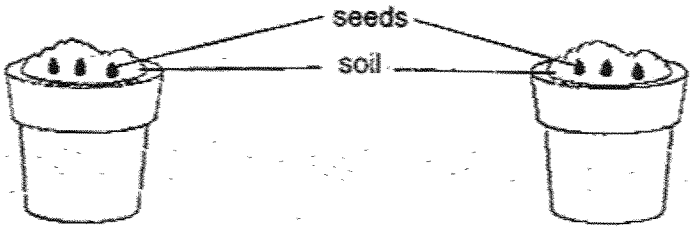
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SCORE 2

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7. May wanted to find out if seeds need light to germinate. She placed some seeds into two identical pots, A and B, and watered them daily. She placed pot A near an open window and pot B inside a dark cupboard. She observed the growth of the seeds over four days.



Pot A
Placed near open window

Pot B
Placed inside dark cupboard

(a) State all the conditions nessary for the seeds to germinate. [1]

(b) May's brother said that the seeds in Pot B will not germinate as they did not receive sunlight. Do you agree? Explain why. [1]

(c) Tick (✓) th hich should be kept the same for May to test the aim of the exp [1]

iable	Tick (✓)
Type of seeds	
Location of pots	
Amount of water	
Number of seeds	

END OF PAPER

SCORE	/ 3

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SCHOOL : ACS (J) PRIMARY SCHOOL

LEVEL : PRIMARY 4
SUBJECT : SCIENCE
TERM : WA1

Q1)	**Life cycle**

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