

W13

# Anglo-Chinese School (Junior)



## BITE-SIZED ASSESSMENT THREE (2025) PRIMARY 3

### SCIENCE

**Monday**

**18 August 2025**

**45 min**

#### INSTRUCTIONS TO PUPILS

**DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO**

Follow all instructions carefully.

There are 10 questions in this booklet.

Answer ALL questions.

**Name:** \_\_\_\_\_ (      )

**Class:** 3. (      )

**Parent's Signature:** \_\_\_\_\_

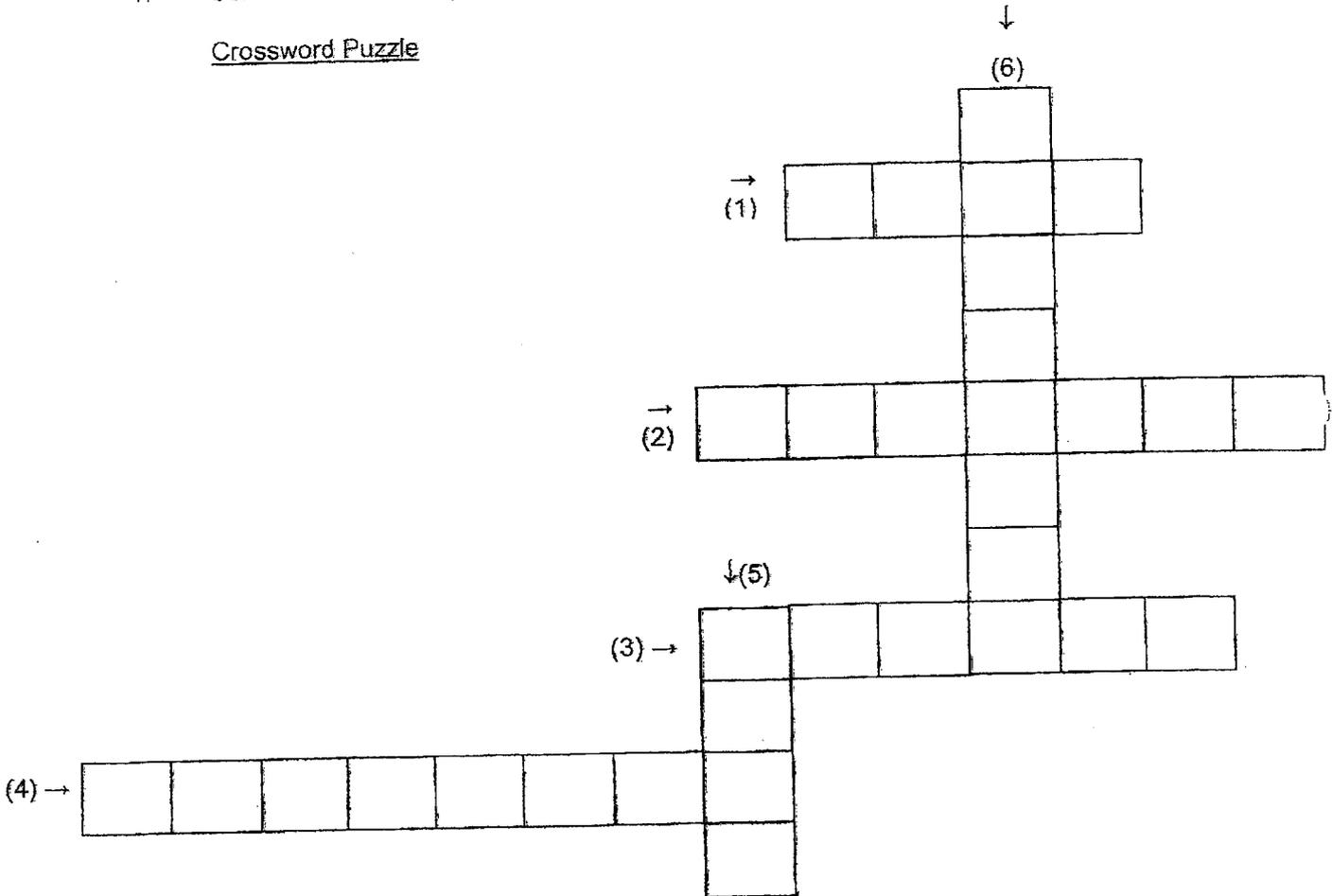
	Possible Marks	Marks Obtained
<b>TOTAL</b>	<b>25</b>	

**This question paper consists of 11 printed pages. (Inclusive of cover page)**

Answer questions 1 to 10. The number of marks available is shown in the brackets [ ] at the end of each or part of a question. [25 marks]

1. Solve the crossword puzzle by filling in the blanks with the correct words. [3]

Crossword Puzzle



Across

1	All living things change as they _____ over time.
2	A life cycle is a repeated _____ of change.
3	All living things have different number of _____ in their life cycle.
4	Life cycles ensure that living things of the same kind _____ to live on Earth.

Down

5	A _____ must first be planted into the soil in order for flowering plants to grow.
6	When some animals grow bigger, they shed their outer skin to grow a new one. This process is known as _____.

(Go on to the next page)

Score	3
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2. Fill in the blanks to the cloze passage, using the helping words given in the box. [2]

spread	breed	four
cause	three	stagnant

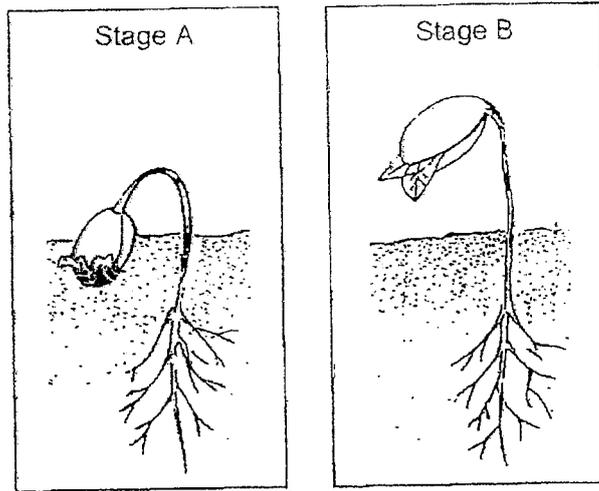
A mosquito has (i) \_\_\_\_\_ stages in its life cycle. It is not the male but the female mosquito that lays its eggs in (ii) \_\_\_\_\_ water. Most of the mosquitoes do not (iii) \_\_\_\_\_ diseases but some mosquitoes such as the Aedes mosquitoes do. When temperatures and rainfall are higher, mosquitoes (iv) \_\_\_\_\_ more quickly.

3. Draw and label the stages of a life cycle of a flowering plant in the box. [1]  
(Do not draw pictures)

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Score	3
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4. The diagram shows how a green bean seedling changes as it grows.



- (a) In the diagram above, draw a line and label the plant part seen growing in Stage B but not in Stage A. [1]
- (b) Daniel wanted to find out how the location where seeds are placed affects their growth. Write numbers 1 to 4 to show the correct order of the steps he should take to carry out his investigation. [2]

Steps	Write 1 to 4
Water both pots with equal amounts of water daily.	
Put two green bean seeds each into two similar pots with the same amount of garden soil.	
Observe the growth of the seeds and measure their height over a week.	
Place the pots with seeds in different locations. One in the freezer and the other by the window.	

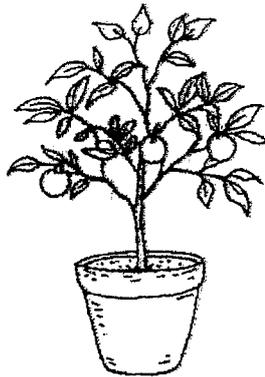
- (c) Name a tool you can use to measure how tall the green bean plants are after one week. [1]

\_\_\_\_\_

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Score	4
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5. Judy observed plant M in her school garden as shown.



Plant M

- (a) Tick (✓) the statement(s) that correctly describes plant M.

[1]

	Statement	Tick (✓)
(i)	It is a flowering plant.	
(ii)	It reproduces from spores.	
(iii)	It has four stages in its life cycle.	

- (b) Name the stage of plant M. Give a reason for your answer.

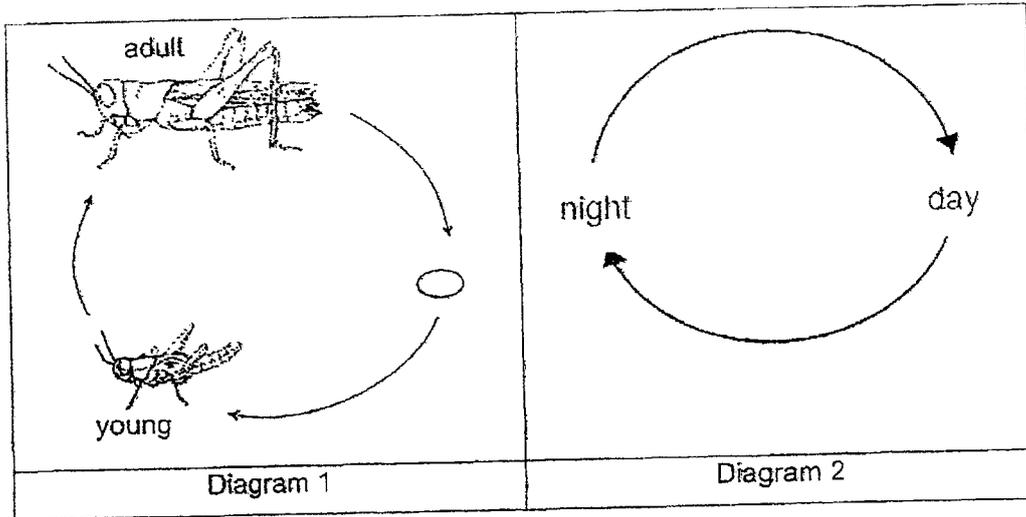
[1]

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Score	2
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6. Study the two cycles in the diagrams.



(a) State a similarity between the diagrams.

[1]

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(b) State a difference between the young and adult in diagram 1.

[1]

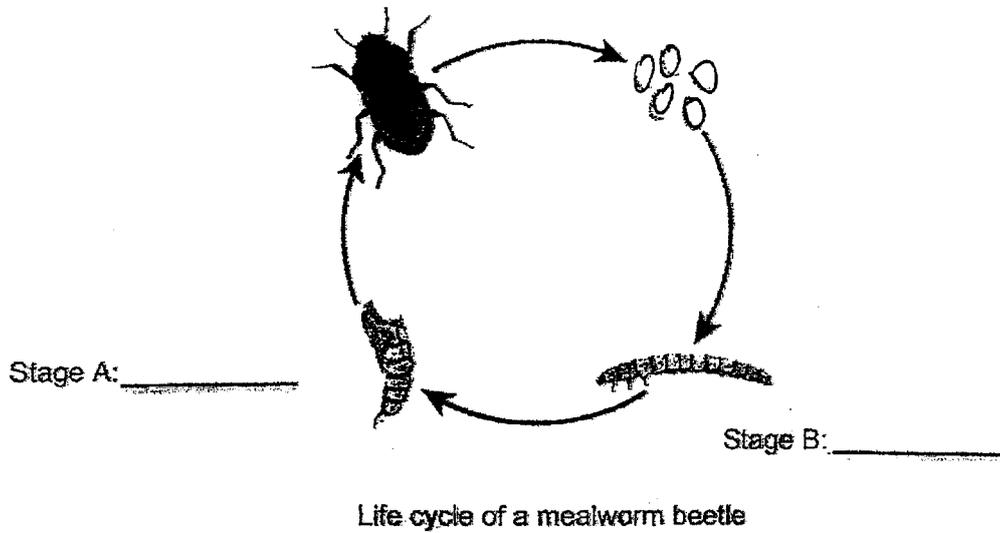
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Score	2
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7. The diagram shows the life cycle of a mealworm beetle.



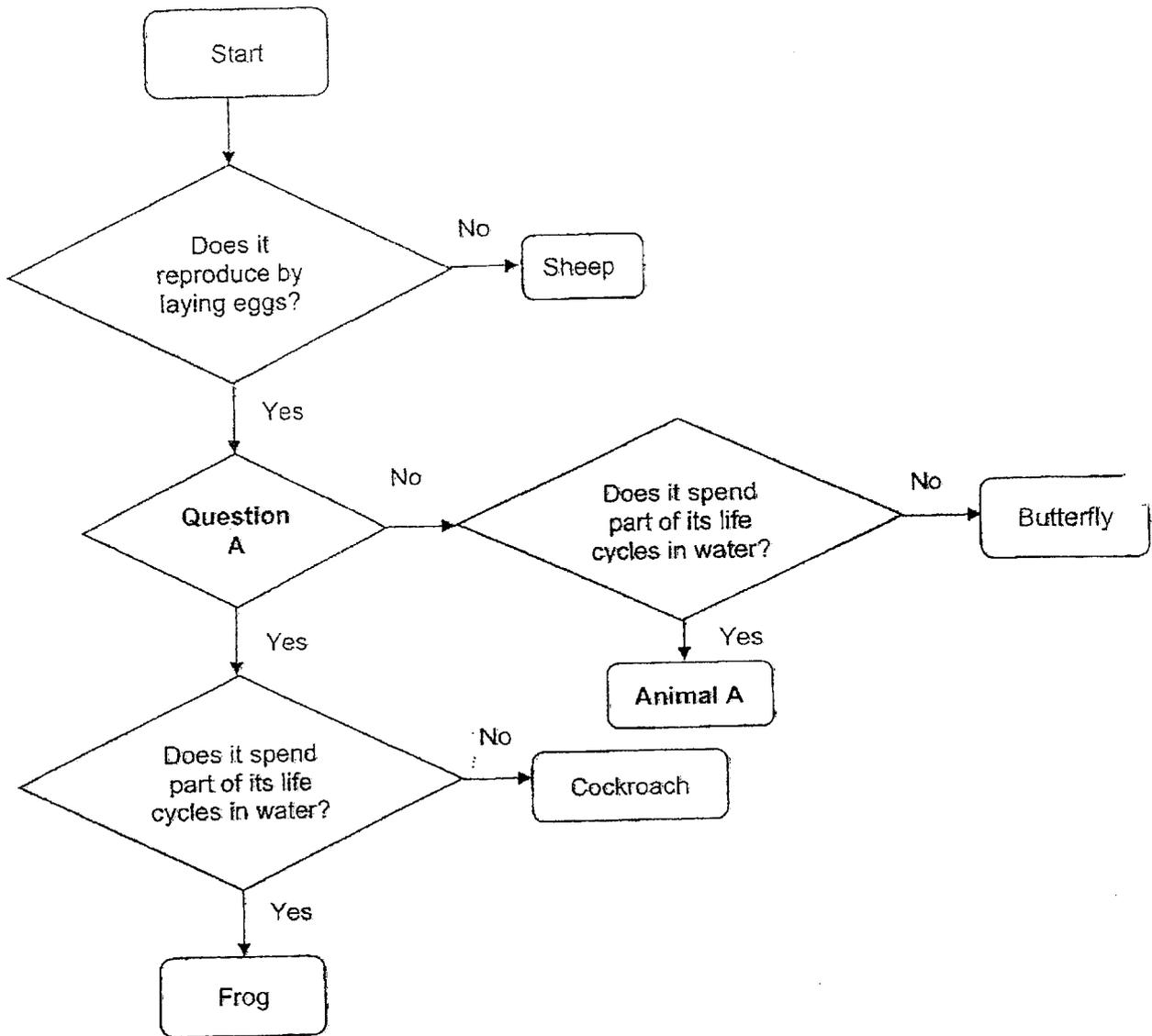
- (a) Name stages A and B in the diagram above. [1]
- (b) The following are statements of the life cycle of the mealworm beetle. Write the letter 'T' if the statement is true and 'F' if the statement is false. [2]

	Statements	Write T or F
(i)	The adult has wings.	
(ii)	At stage B, it has six legs.	
(iii)	The young looks like the adult.	
(iv)	The egg stage is the first stage of its life cycle.	

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Score	3
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8. Study the flowchart of some animals.



(a) State what "Question A" is and name "Animal A".

[2]

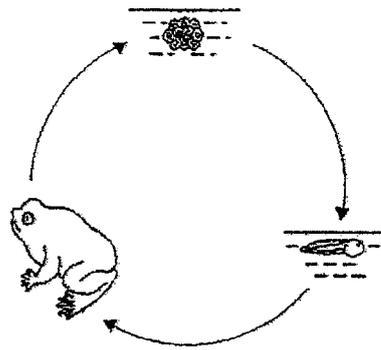
Question A: \_\_\_\_\_

Animal A: \_\_\_\_\_

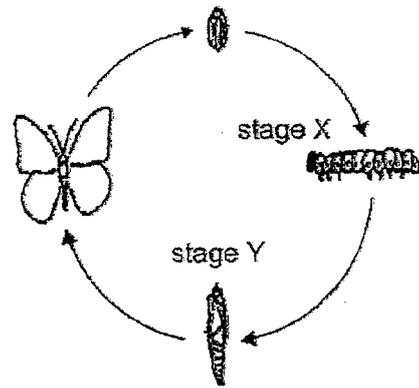
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Score	2
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9. The diagrams show the life cycles of a frog and butterfly.



life cycle of frog



life cycle of butterfly

(a) State two differences between the life cycle of a frog and the butterfly. [2]

Difference 1: \_\_\_\_\_  
 \_\_\_\_\_

Difference 2: \_\_\_\_\_  
 \_\_\_\_\_

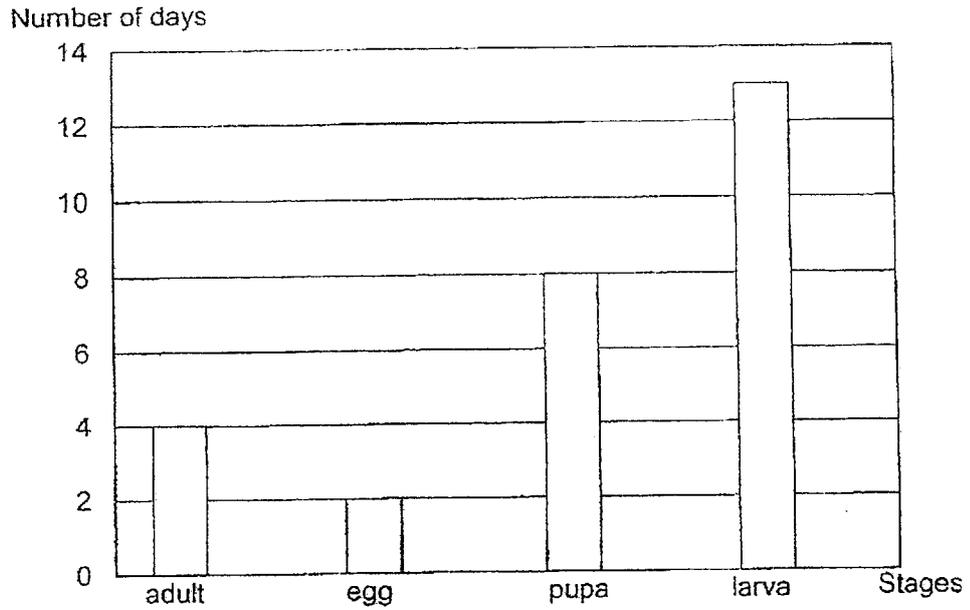
(b) State a difference between stage X and stage Y of the butterfly. [1]

\_\_\_\_\_  
 \_\_\_\_\_

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Score	3
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- (c) Shane studied the life cycle of a butterfly. He used a graph to record the number of days each stage took.



Based on the graph, how many days does it take for the butterfly to grow into an adult after the egg hatches?

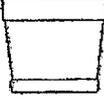
[1]

\_\_\_\_\_ days.

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Score	1
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10. Su Lin wanted to find out the conditions needed for seed K to grow. She placed equal number of seeds K, in each of the four pots, W, X, Y and Z, and recorded their growth in the table as shown.

Plant after two weeks				
Pot	W	X	Y	Z
Type of soil	garden soil	garden soil	sandy soil	clayey soil
Location of experiment	In the cupboard	Garden	Garden	Garden

- (a) State which two pots must be compared to find the effect of each of the two changed variables on the growth of seed K.

[1]

Changed Variable	Pots
Type of soil	_____ and _____
Presence of light	_____ and _____

Su Lin carried out another experiment to find out how amount of water affects the height of the plant grown from seed K. She planted four identical seed K in the field, at equal distance from one another. She recorded the height of the plant over three weeks in the table as shown.

Amount of water given daily (ml)	20	40	60	80
Height of plant	3	5	8	13

- (b) How does the amount of water given daily affect the height of the plant?

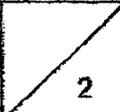
[1]

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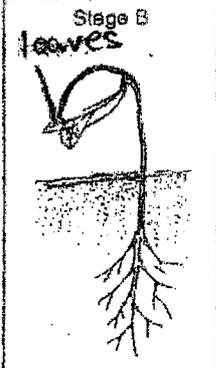
End of Paper

Score	
	2



YEAR : 2025  
 LEVEL : PRIMARY 3  
 SCHOOL : ANGLO-CHINESE SCHOOL (JUNIOR)  
 SUBJECT : SCIENCE  
 TERM : BITE-SIZED ASSESSMENT THREE

**(BOOKLET A)**

Q1	1)	Grow	
	2)	Pattern	
	3)	Stages	
	4)	Continue	
	5)	Seed	
	6)	moulting	
Q2	i)	Four	
	ii)	Stagnant	
	iii)	spread	
	iv)	breed	
Q3	Seed -> young plant -> adult plant -> seed		
Q4	a)		
	b)	3, 1, 4, 2	
	c)	A ruler	
Q5	a)	It is a flowering plant.	
	b)	Adult plant. It has fruits, as long as a flowering plant has fruits, it is at its adult stage.	
Q6	a)	Both cycles repeat over again.	
	b)	The adult can reproduce but the young cannot reproduce.	
Q7	a)	Stage A : pupa Stage B : larva	
	b)	i)	T
		ii)	T
		iii)	F
		iv)	F
Q8	a)	Question A : Does It have a 3-stage life cycle? Animal A : Mosquito	

Q9	a)	Difference 1 : The frog has a 3-stage life cycle but the butterfly has a 4-stage life cycle. Difference 2 : The frog lays its eggs in water but the butterfly lays its eggs on land.
	b)	The larva in Stage X feeds but the pupa in Stage Y does not feed.
	c)	21 days
Q10	a)	Type of soil : X and Z Presence of light : W and X
	b)	When the amount of water given daily increases, the height of the plant increases.

2  
END