

Catholic High School (Primary)
Primary 4 Science 2025
Weighted Assessment 2

Name: _____ ()

Class: Pri. 4 - _____

Date: 8 May 2025

Parent's Signature: _____

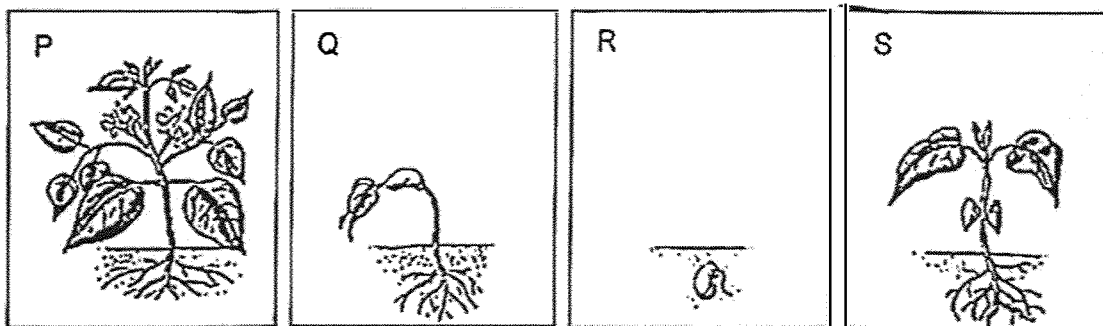
MARKS	20
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Booklet A (6 × 2 marks)

For each question from 1 to 6, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Write its correct number in the brackets provided.

(12 marks)

1 The diagrams show the stages of the life cycle of a plant.



Which of the following shows the stages in the correct order?

- (1) P, S, Q, R
- (2) P, R, Q, S
- (3) R, Q, P, S
- (4) R, P, S, Q

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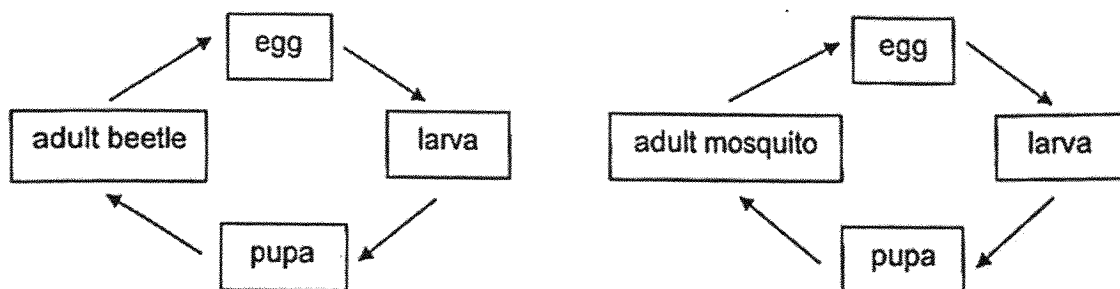
- 2 The table shows the number of days animals R and S spend at each stage of its life cycle before developing into an adult.

Stage of life cycle	Number of days spent at each stage of its life cycle	
	animal R	animal S
egg	4	6
larva	7	4
pupa	6	8

Based on the information, which statement about animals R and S is correct?

- (1) Animal S has a shorter life span than animal R.
- (2) Animal S spends less days as a pupa than animal R.
- (3) Animal R spends more days as a larva than animal S.
- (4) Animals R and S have three stages in their life cycles. ()

- 3 The diagram shows the life cycles of two animals, the beetle and the mosquito.

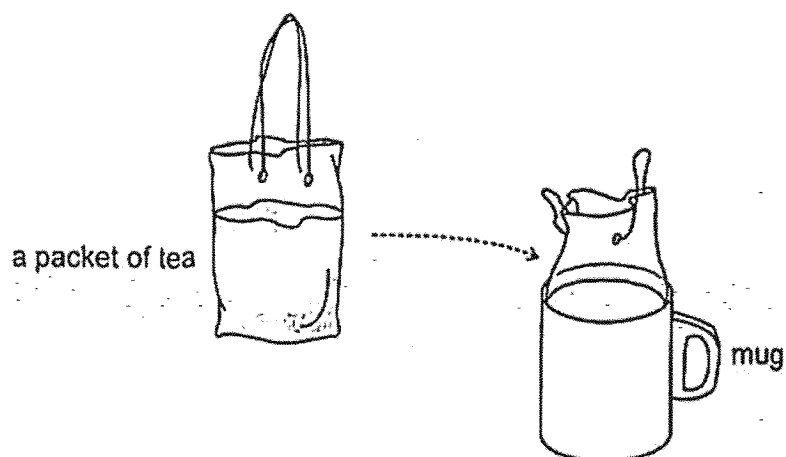


Which statements about the life cycles of the animals are correct?

- A Both give birth to young alive.
- B Both their young do not resemble the adult.
- C The young will only become insects at the adult stage.
- D The pupa does not eat before reaching the adult stage.

- (1) A and C only
- (2) B and D only
- (3) A, C and D only
- (4) B, C and D only ()

- 4 Manny placed a packet of tea into a mug without overflowing as shown.



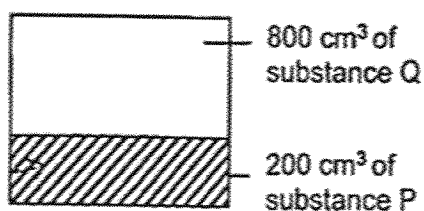
Which of the following about the tea is correct?

- (1) Both the shape and the volume of the tea changed.
- (2) The shape of the tea changed but the volume did not.
- (3) The volume of the tea changed but the shape did not.
- (4) Both the shape and the volume of the tea did not change. ()

- 5 Study the table.
A tick (✓) indicates that the substance has the property.

Properties	Substance P	Substance Q
can be compressed		
has no definite shape		

A container of 1000 cm^3 contains 800 cm^3 of substance Q and 200 cm^3 of substance P.

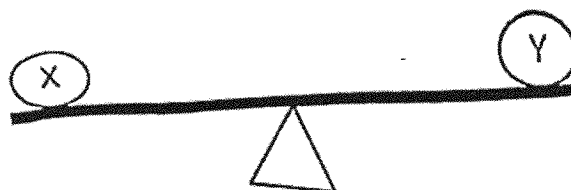


If another 100 cm^3 of substance Q is added to the container, what is the volume of substance Q now?

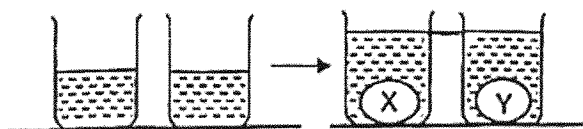
- (1) 800 cm^3
- (2) 900 cm^3
- (3) 1000 cm^3
- (4) 1100 cm^3

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- 6 The diagram shows objects X and Y when placed on a balance.



Aisha then placed both objects into two similar beakers containing 150 ml of water each as shown.



Based on the observations, what could Aisha conclude about objects X and Y?

- (1) Objects X and Y are not matter.
- (2) Objects X and Y have similar mass.
- (3) Objects X and Y have similar volumes.
- (4) Object X have a smaller mass than object Y.

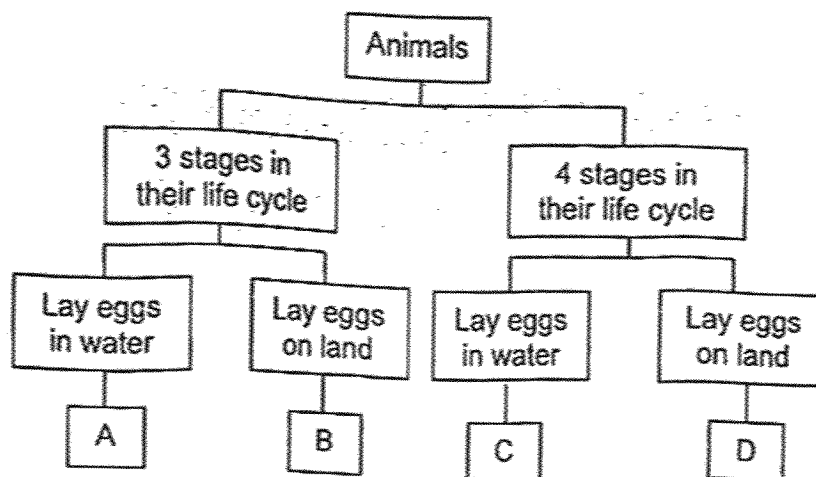
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Booklet B (8 marks)

For questions 7 to 9, write your answers in this booklet.

The number of marks available is shown in brackets [] at the end of each question or part question.

7 Study the diagram.



(a) Based on the diagram, state one similarity between animals A and C. [1]

(b) Based on the diagram, state one difference between animals B and D. [1]

(c) Which letters, A, B, C or D, represent the following animals? [1]

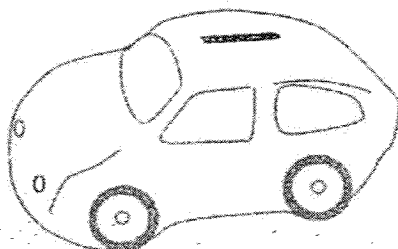
(i) frog: _____

(ii) butterfly: _____

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SCORE	3
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- 8 Amy has a coin bank as shown. She wants to find out how much space is inside the coin bank.



- (a) Amy is not able to look inside the coin bank or place an apparatus such as a ruler to measure the inside of it.

Describe what she can do to find the volume inside the coin bank. [2]

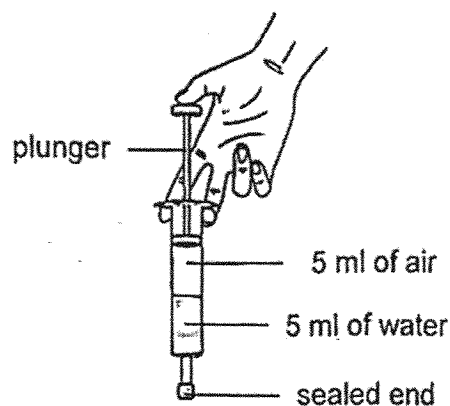
- (b) The volume inside the coin bank is 200 cm^3 . Amy has 200 similar coins. Each coin has a volume of 1 cm^3 .

Explain why Amy cannot put all 200 coins into the coin bank. [1]

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SCORE	3
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- 9 A syringe was filled with 5 ml of air and 5 ml of water as shown. The plunger was then pushed in until it could no longer move.



- (a) Based on the information, what happened to the volume of air and water in the syringe? Put a tick (✓) in the table. [1]

		Increased	Decreased	Remained the same
(i)	Volume of air			
(ii)	Volume of water			

- (b) Explain your answer in (a) (ii). [1]

End of Paper

SCHOOL : CATHOLIC HIGH SCHOOL
LEVEL : PRIMARY 4
SUBJECT : SCIENCE
TERM : 2025 WEIGHTED ASSESSMENT 2

Q1	2
Q2	3
Q3	2
Q4	2
Q5	1
Q6	3
Q7	a) Animals A and C lay eggs in water. b) Animals B have a 3 stage life cycle but animal D have a 4 stage life cycle. c) i) A ii) D
Q8	a) Amy should fill the inside of the coin fully with water. Amy will pour the water inside the coin bank to a measuring cylinder. b) The coins are solid and have a definite shape. The coins are unable to fill the air gaps.
Q9	a) i) Decreased ii) Remained the same b) Air can be compressed but water can't be compressed, so the volume of air and the volume of water will remain the same.

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