

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

Name: _____ ()

Class: Pri. 4 - _____

Date: 8 May 2025

Parent's Signature: _____

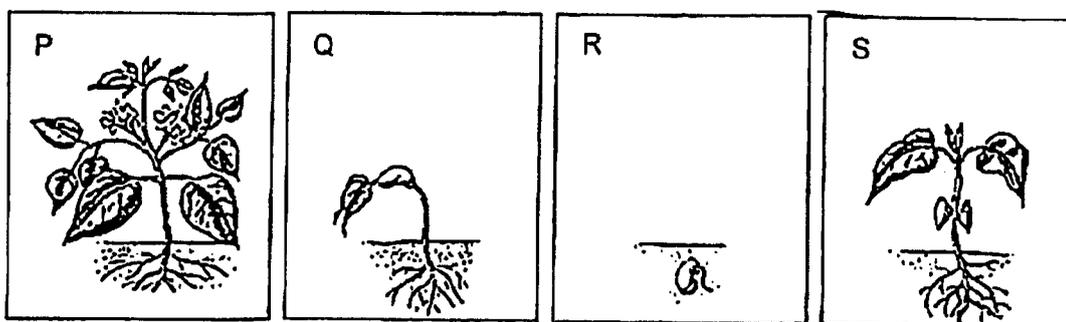
MARKS	20
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Booklet A (6 × 2 marks)

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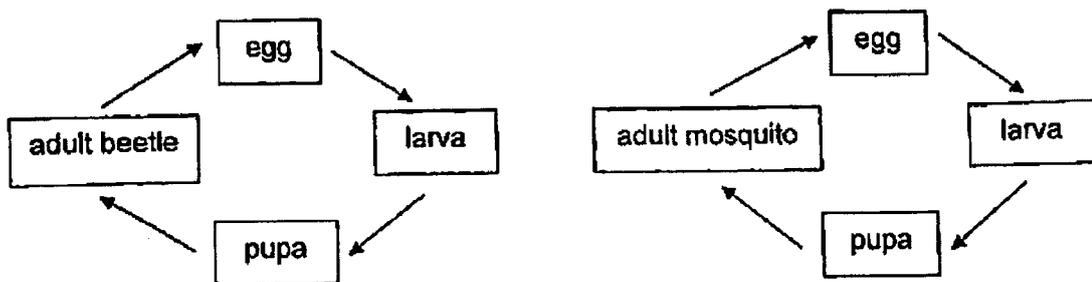
- 2 The table shows the number of days animals R and S spend at each stage of its life cycle before developing into an adult.

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.

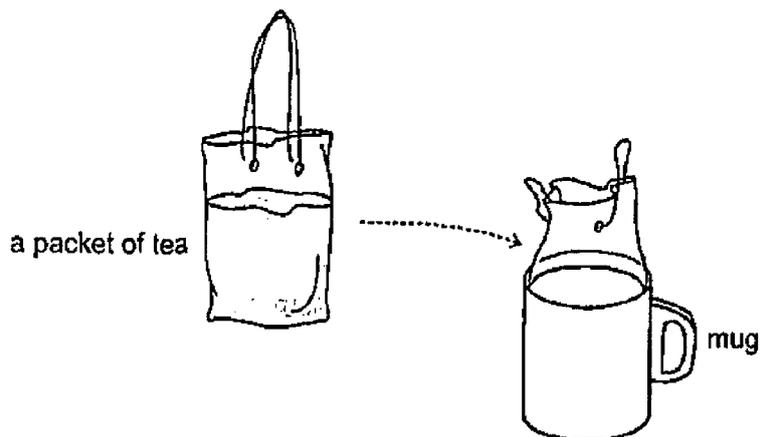


Which statements about the life cycles of the animals are correct?

- 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.



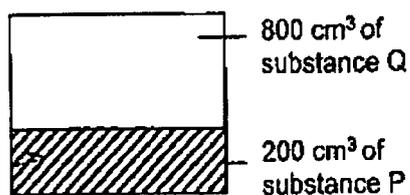
Which of the following about the tea is correct?

- (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.

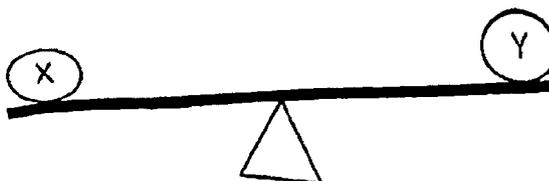


If another 100 cm^3 of substance Q is added to the container, what is the volume of substance Q now?

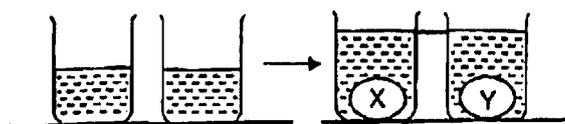
- (1) 800 cm^3
- (2) 900 cm^3
- (3) 1000 cm^3
- (4) 1100 cm^3

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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.

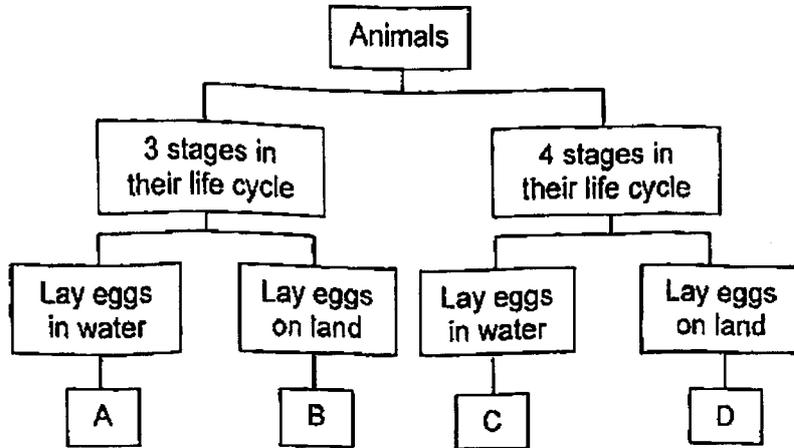
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Booklet B (8 marks)

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]

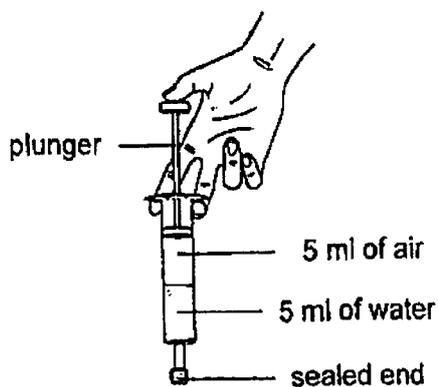
- (b) The volume inside the coin bank is 200 cm^3 . Amy has 200 similar coins. Each coin has a volume of 1 cm^3 .

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

SCORE	2
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SCHOOL : CATHOLIC HIGH SCHOOL
LEVEL : PRIMARY 4
SUBJECT : SCIENCE
TERM : WA2 2025

Q1)	2
Q2)	3
Q3)	2
Q4)	2
Q5)	1
Q6)	3
Q7)	<p>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</p>
Q8)	<p>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.</p>
Q9)	<p>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.</p>

