



Nan Hua Primary School
Primary 3 Science
Term 3 Weighted Assessment 2025

| Marks | |
|---------------|-------------|
| Section A: | / 10 |
| Section B: | / 10 |
| Total: | / 20 |

Name: _____ ()

Class: Primary 3 _____

Date: _____

Duration: 30 minutes

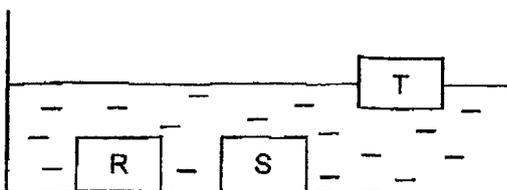
Parent's Signature

Answer all questions

Section A: (5 x 2 marks = 10 marks)

For each question from 1 to 5, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write your answer in the brackets provided.

- 1 Susan placed three blocks, R, S and T, into a container of water. Her observation is shown below.



She made the following statements:

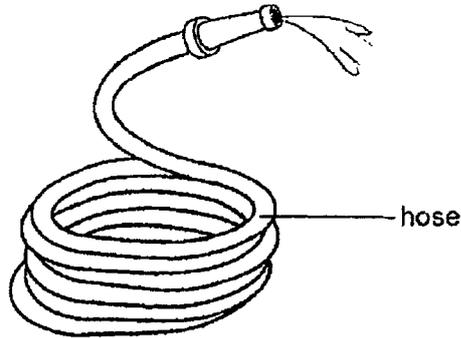
- A Only block T does not absorb water.
- B Blocks S and T are made of different materials.
- C Blocks R and S are made of the same materials.

Which statement(s) can be concluded from her observation?

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

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2 The diagram below shows a coiled-up water hose.



Based on the properties shown below, which material is most suitable for making the hose?

| | Material | Property | | |
|-----|----------|----------|----------|------------|
| | | strong | flexible | waterproof |
| (1) | A | X | ✓ | X |
| (2) | B | ✓ | X | ✓ |
| (3) | C | ✓ | ✓ | X |
| (4) | D | ✓ | ✓ | ✓ |

| | |
|-----|-------|
| Key | |
| ✓ | : yes |
| X | : no |

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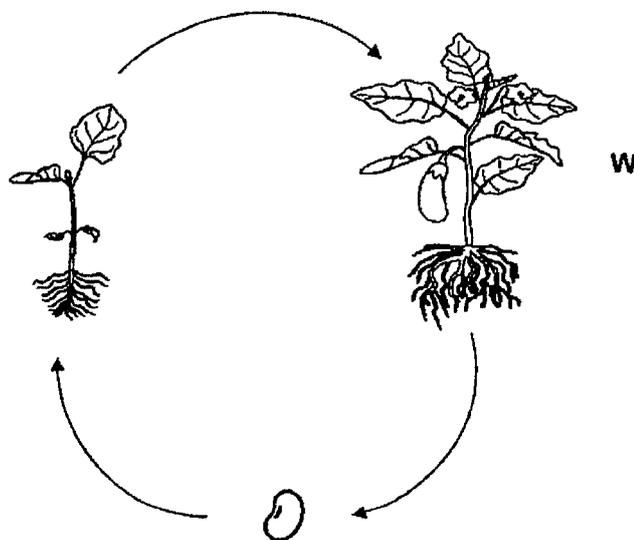
3 Which statement(s) about the life cycle of a grasshopper is/are **not** correct?

- A A grasshopper has four stages in its life cycle.
- B The start of the life cycle of a grasshopper is the egg stage.
- C The life cycle of the grasshopper ensures the continuity of its own kind.
- D The grasshopper goes through a repeated pattern of change in its life cycle.

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

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4 The diagram shows the life cycle of a plant.

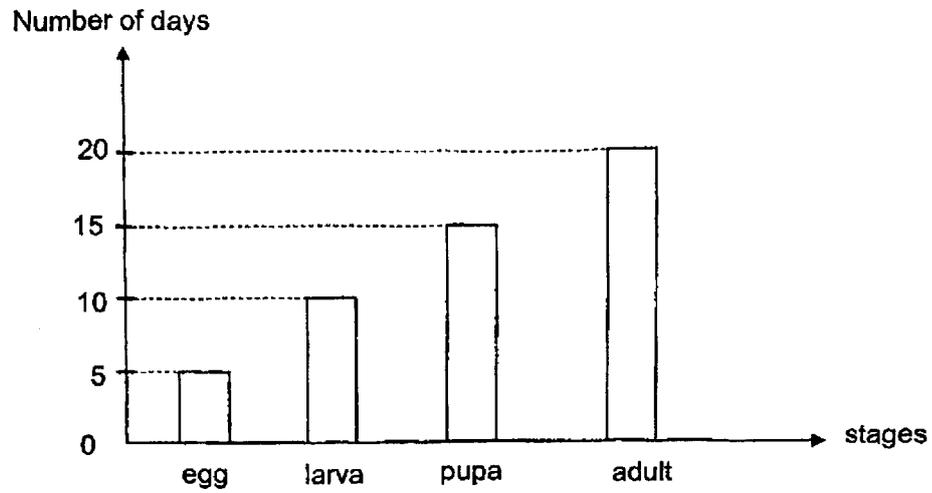


What is the stage marked W?

- (1) fruit
- (2) seed
- (3) adult
- (4) young

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- 5 The graph below shows the number of days in the different stages of the life cycle of animal S.



Based on the graph, how many days will it take for animal S to become an adult after it is hatched?

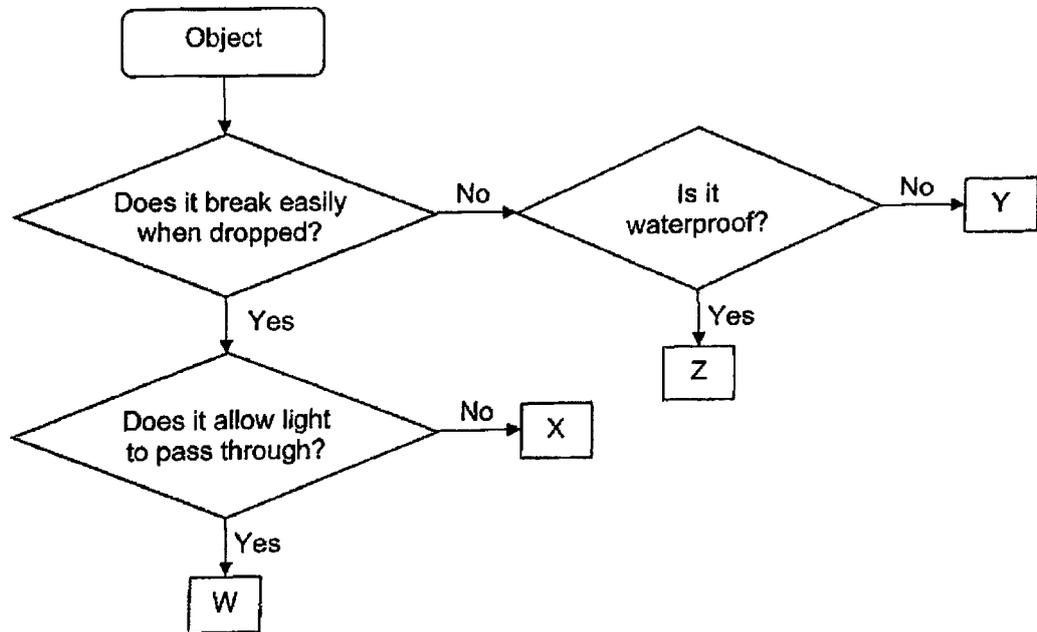
- (1) 15
- (2) 25
- (3) 30
- (4) 50

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Section B: Structured questions (10 marks)

For questions 6 to 8, write your answers in the space provided. The number of marks available is shown in brackets [] at the end of each question or part question.

6 Study the flowchart below.



(a) Based on the flowchart, which letters, W, X, Y or Z, best represent the objects [2] below? Write the letter in the space below.

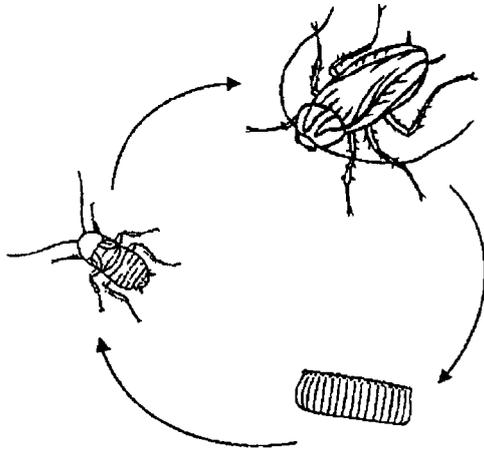
| Object | Letter |
|---|--------|
| fish tank  | |
| key  | |

(b) State the similarity between objects Y and Z. [1]

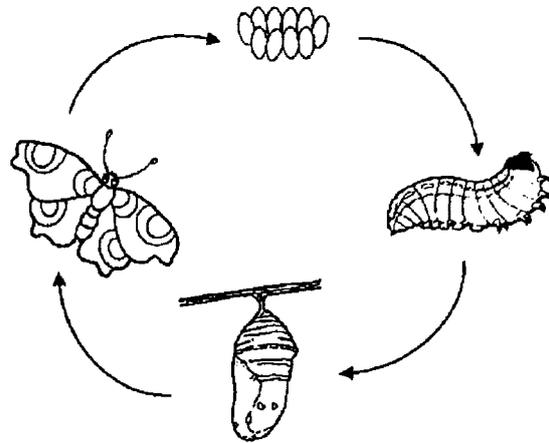
| | |
|-------|---|
| SCORE | 3 |
|-------|---|

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7 The diagrams below show the life cycles of a cockroach and a butterfly.



Life cycle of a cockroach



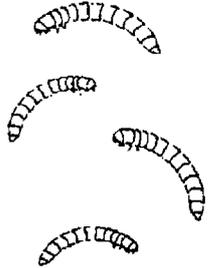
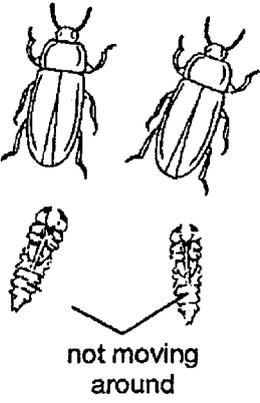
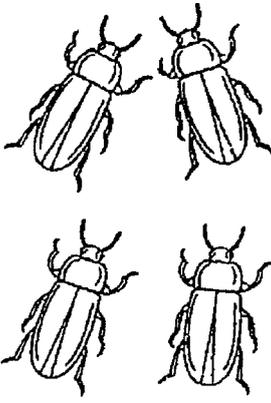
Life cycle of a butterfly

- (a) State two differences between the life cycle of the cockroach and the butterfly. [2]
(Do not name the stages in the life cycles)

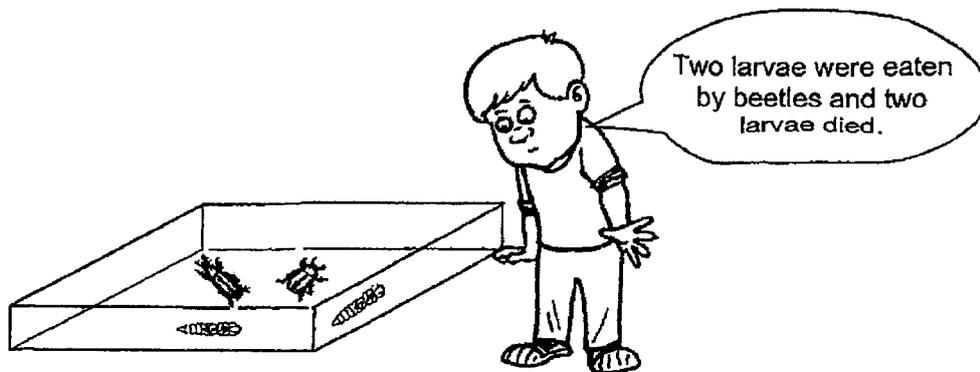
Difference 1: _____

Difference 2: _____

(b) Kumar observed four larvae of another insect kept in a container for 10 weeks. His observations were shown in the table below.

| Week 1 | Week 8 | Week 10 |
|---|---|---|
|  |  <p data-bbox="821 795 957 862">not moving around</p> |  |

Kumar explained what he observed in week 8.



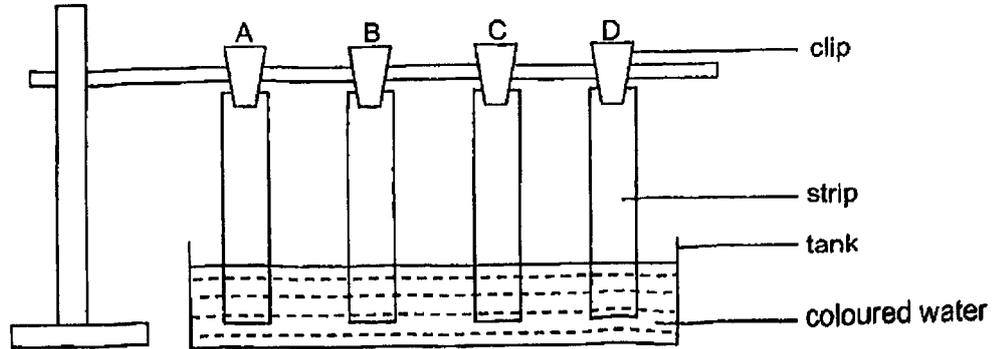
Kumar's teacher told him his observations were **not** correct. Suggest what happened to the four larvae.

[2]

| | |
|-------|---|
| SCORE | 4 |
|-------|---|

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- 8 Jia Jia dipped four strips of different materials, A, B, C and D, into a tank containing coloured water as shown.



After 10 minutes, she took the strips out of the tank and measured the height that the coloured water had travelled. The results are shown below.

| Material | A | B | C | D |
|---|---|----|---|---|
| Height at which the coloured water travelled (cm) | 1 | 10 | 7 | 4 |

- (a) Based on Jia Jia's experimental results, which material, A, B, C or D, would be most suitable for making a bath towel? Explain your answer. [2]

- (b) Other than the physical property tested in the experiment, state another property a bath towel must have to wrap around our body. [1]

End of Paper

| | |
|-------|---|
| SCORE | 3 |
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Nanua Primary School
P3 Science
Term 3 Weighted Assessment 2025
ANSWER KEY

Section A

| Qn | Answer |
|----|--------|
| 1 | 1 |
| 2 | 4 |
| 3 | 2 |
| 4 | 3 |
| 5 | 2 |

Section B

| Qn | Answers | | | | | | |
|--|---|--------|--------|--|---|--|---|
| 6a | <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Object</th> <th>Letter</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">  fish tank </td> <td style="text-align: center;">W</td> </tr> <tr> <td style="text-align: center;">  key </td> <td style="text-align: center;">Z</td> </tr> </tbody> </table> | Object | Letter |  fish tank | W |  key | Z |
| Object | Letter | | | | | | |
|  fish tank | W | | | | | | |
|  key | Z | | | | | | |
| 6b | Both Y and Z <u>do not break easily (when dropped)/are strong.</u> | | | | | | |

| | |
|----|---|
| 7a | <p>Difference 1: The cockroach has <u>3 stages in its life cycle</u> but the butterfly has <u>4 stages in its life cycle</u>.</p> <p>Difference 2: The <u>young of the cockroach resembles its adult</u> but the <u>young of the butterfly does not</u>.</p> <p>OR</p> <p><u>The young of the butterfly does not resemble its adult</u> but the <u>young of the cockroach does</u>.</p> |
| 7b | <p>The two larvae had already <u>developed/reached into two adults/beetles/adult beetles</u>.</p> <p>The other two larvae had <u>developed/grown/turned/become/transformed/changed into/reached two pupae</u>.</p> <p>They <u>are still alive</u> even though they were not moving around.</p> |
| 8a | <p>Choice: Material <u>B</u></p> <p>Evidence: The height at which the coloured water travelled is <u>the greatest/highest</u>. / The coloured water travelled <u>the furthest/tallest/longest</u>.</p> <p>Concept: Material B is <u>the most absorbent/absorbs the most amount of (coloured) water</u>.</p> <p>Link: This allows the user to be able <u>to dry (the body) most easily/fastest/best</u> so the towel can absorb <u>the most amount of water (from the body)</u>.</p> |
| 8b | <p>The bath towel must be <u>flexible</u>.</p> |