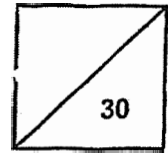


**Red Swastika School  
Primary 5 Science 2025  
Class Test 1**



Name: \_\_\_\_\_ ( ) Parent's Signature: \_\_\_\_\_

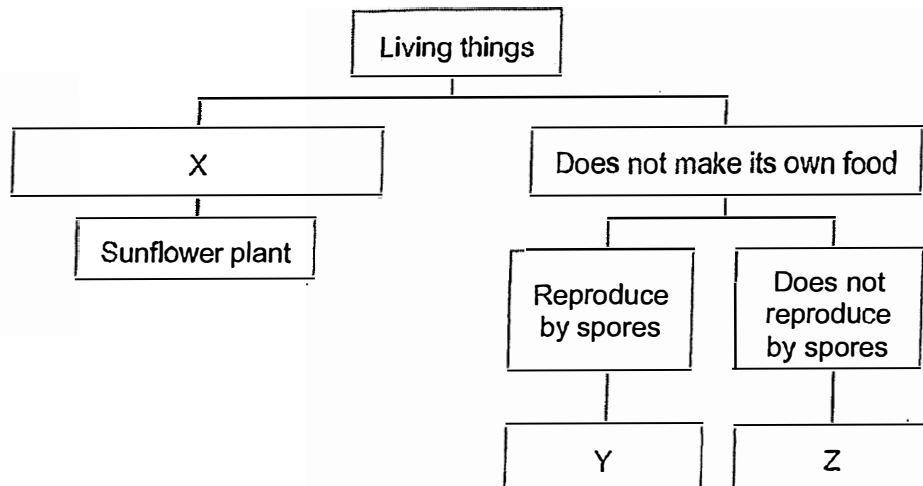
Class: Pr. 5 \_\_\_\_\_ Date: \_\_\_\_\_

**Total time for sections A and B: 45 minutes**

**Section A: Multiple – Choice Questions (9 x 2 = 18 marks)**

**Choose the most suitable answer and shade its number in the OAS provided.**

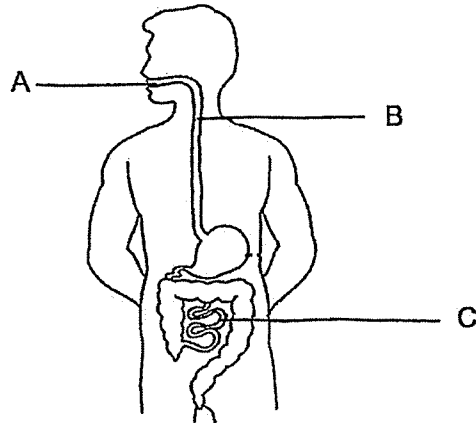
1. Study the classification chart below.



Which of the following best describes X, Y and Z?

|     | X                        | Y                | Z                |
|-----|--------------------------|------------------|------------------|
| (1) | Makes its own food       | mushroom         | elephant         |
| (2) | Makes its own food       | bird's nest fern | mushroom         |
| (3) | Does not produce flowers | mushroom         | bird's nest fern |
| (4) | Does not produce flowers | bird's nest fern | elephant         |

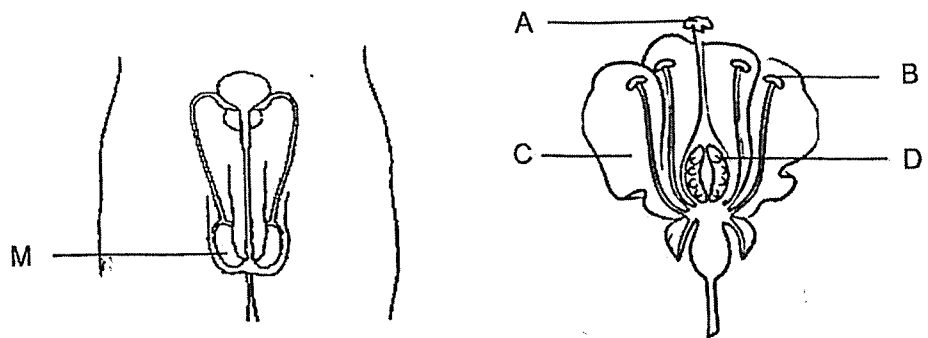
2. The diagram below shows the human digestive system.



Which of the following best describes the changes in the amount of undigested food as it leaves parts A, B and C?

|     | A         | B         | C         |
|-----|-----------|-----------|-----------|
| (1) | No change | Increases | Decreases |
| (2) | No change | No change | Increases |
| (3) | Decreases | Increases | Increases |
| (4) | Decreases | No change | Decreases |

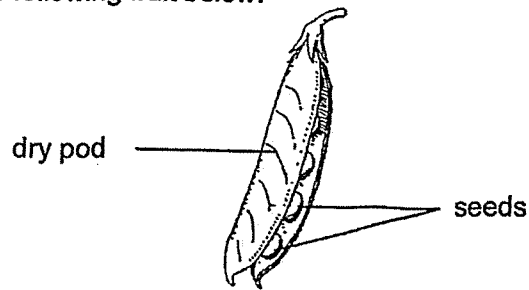
3. The diagrams below show parts of the human and plant reproductive system.



Which part of the plant reproductive system is similar in function to part M in the human reproductive system?

- (1) A
- (2) B
- (3) C
- (4) D

4. John found the following fruit below.



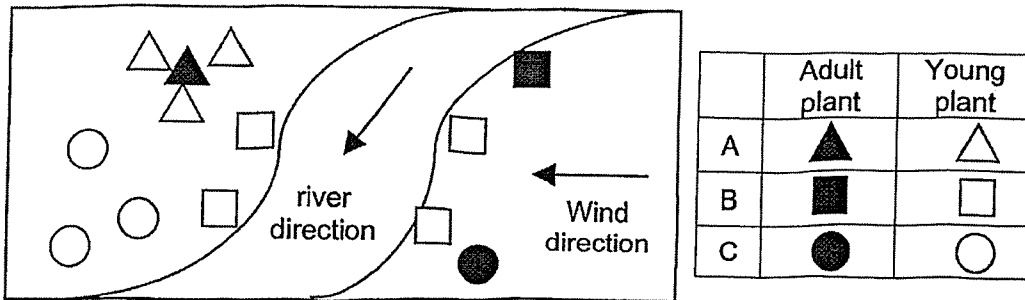
He made some statements about the fruit.

- A: The seeds are dispersed by wind.
- B: The seeds are dispersed by animals.
- C: The fruit of this plant develops from the ovary.
- D: The flower of this plant contains many ovules.

Which of the statements above are correct?

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

5. The diagram below shows the location of some adult plants, A, B and C, and their young.



Based on the diagram above, how are the seeds of plants A, B and C dispersed?

|     | A                | B                | C                |
|-----|------------------|------------------|------------------|
| (1) | Water            | Explosive action | Wind             |
| (2) | Wind             | Water            | Explosive action |
| (3) | Explosive action | Water            | Wind             |
| (4) | Explosive action | Wind             | Water            |

6. The table below shows the melting and boiling point of substance P.

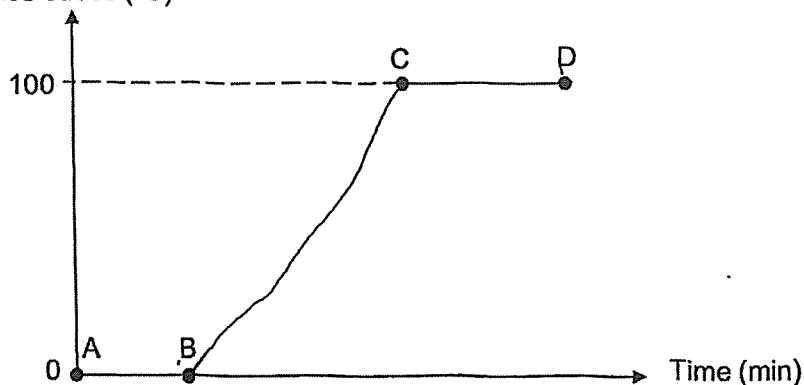
| Substance | Melting point (°C) | Boiling point (°C) |
|-----------|--------------------|--------------------|
| P         | 30                 | 120                |

Which of the following shows the correct state of substance P at 15°C and 130°C?

|     | State at 15°C | State at 130°C |
|-----|---------------|----------------|
| (1) | Solid         | Gas            |
| (2) | Solid         | Liquid         |
| (3) | Liquid        | Solid          |
| (4) | Liquid        | Gas            |

7. Faris heated some ice cubes in a beaker. After a while, he stopped the heating and recorded the temperature change of the ice cubes in the graph below.

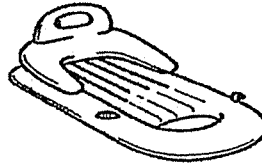
Temperature change of the ice cubes (°C)



Which of the following statements is true?

- (1) There is no heat gain from A to B.
- (2) The ice starts melting from B to C.
- (3) No water evaporates from B to C.
- (4) There is a mixture of liquid and gas from C to D.

8. Dave has an inflatable water raft which can be used in a swimming pool as shown below.

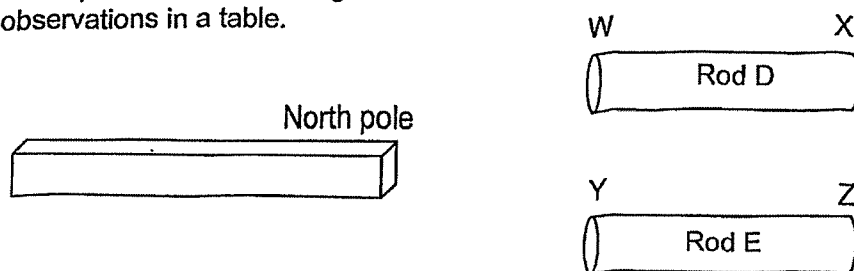


The table below shows the properties of four materials M, N, O and P.

| Material | Is it waterproof? | Is it flexible? |
|----------|-------------------|-----------------|
| M        | No                | Yes             |
| N        | No                | No              |
| O        | Yes               | Yes             |
| P        | Yes               | No              |

Which of the material above is suitable for making the inflatable water raft?

- (1) M
  - (2) N
  - (3) O
  - (4) P
9. Sarah had a bar magnet and two rods, D and E, as shown below. She brought the north pole of the bar magnet near the ends of both rods and recorded her observations in a table.



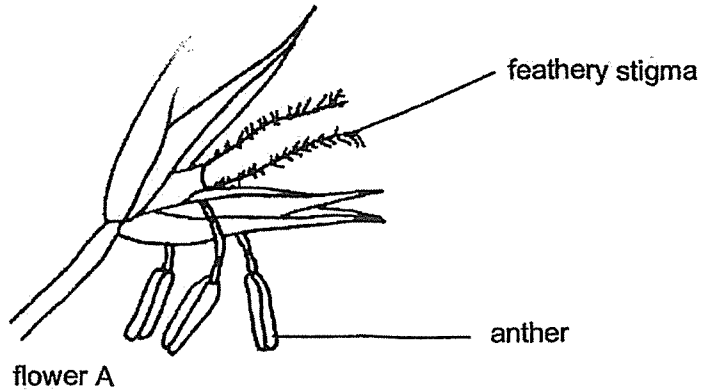
|  | Observations of end of rod |         |         |         |
|--|----------------------------|---------|---------|---------|
|  | W                          | X       | Y       | Z       |
| When North pole of the bar magnet was brought near | repel                      | attract | attract | attract |

Based on the results in the table, which statement is correct about both rods?

- (1) Both D and E are magnets.
- (2) Both D and E are made of non-magnetic materials.
- (3) D is a magnetic material and E is a magnet.
- (4) D is a magnet and E is a magnetic material.

**Section B: Open-Ended Questions (12 marks)**  
**Answer all the questions in the space provided.**

10. Observe flower A in the diagram below.



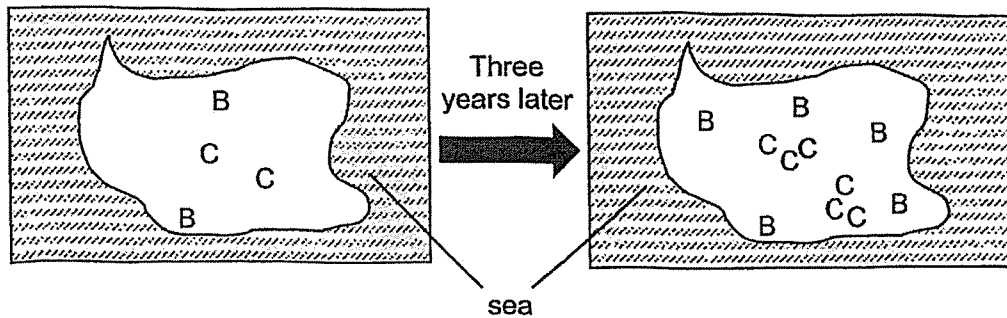
(a) What is the method of pollination for flower A? Explain how the characteristic of the flower part helps flower A to pollinate better. (2m)

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The maps below show the location of two plants, B and C, on an island, three years apart. Plant B is observed to grow more healthily than plant C.

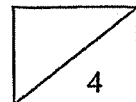


(b) Based on the maps above, explain why plant B was able to grow better than plant C. (2m)

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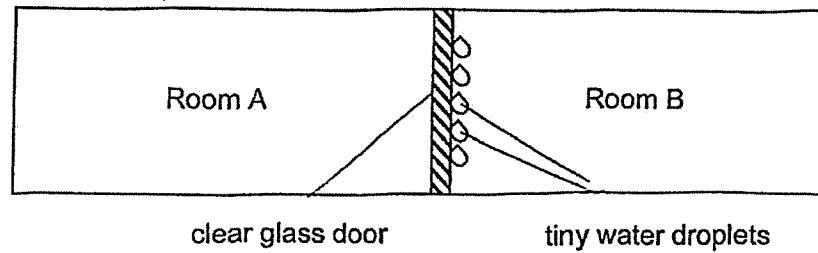


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11. The diagram below shows two rooms in Andy's house, which are separated by a clear glass door. Andy was in room A, with the air conditioner turned on at  $18^{\circ}\text{C}$ . The temperature in room B was at  $32^{\circ}\text{C}$ .

After a while, Andy noticed tiny water droplets on the clear glass door as shown below.



- (a) State the process that led to the formation of tiny water droplets. (1m)

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- (b) Explain how the water droplets were formed on the clear glass door. (2m)

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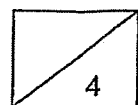
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To reduce the amount of water droplets on the clear glass door, Andy decided to increase the temperature of room A.

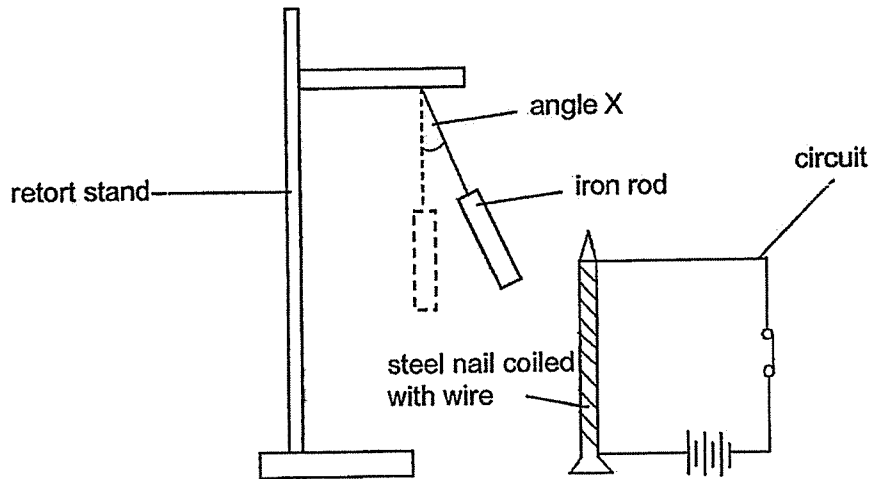
- (c) Explain why increasing the temperature of room A will lead to less water droplets forming on the clear glass door. (1m)

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12. Natalie set up the experiment as shown below. When the switch to the circuit was closed, the iron rod moved towards the steel nail, forming an angle X.



- (a) Which property of the iron rod allowed it to be attracted to the steel nail? (1m)

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- (b) Without changing the position of the retort stand or the circuit, what can Natalie do to increase the angle X? (1m)

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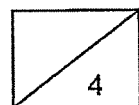
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- (c) What will be the value of angle X if Natalie changes the iron rod to an aluminium rod? Explain your answer. (2m)

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End of Paper 😊  
Please check your answers.



**SCHOOL : RED SWASTIKA PRIMARY SCHOOL**  
**LEVEL : PRIMARY 5**  
**SUBJECT : SCIENCE**  
**TERM : 2025 WEIGHTED ASSESSMENT 1**

|    |    |    |    |    |    |    |    |    |  |
|----|----|----|----|----|----|----|----|----|--|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 |  |
| 1  | 4  | 2  | 4  | 3  | 1  | 4  | 3  | 4  |  |

|       |   |
|-------|---|
| 10(a) | <p>Flower A is pollinated by <b>wind</b>.</p> <p>It has a feathery stigma, which <b>increases the surface area</b> to trap pollen grains.</p> <p>OR</p> <p>It has anthers hanging out of the flowers so that <b>more pollen grains</b> can be carried away by the wind.</p> |
| 10(b) | <p>Plant B's young plants grow <b>further away</b> from the parent plant. This leads to less competition for <b>sunlight, water, mineral salts and space</b>.</p>   |
| 11(a) | <p>Condensation</p>   |
| 11(b) | <p>The hot water vapour in room B came into contact with <b>the cooler surface</b> of the clear glass door. The water vapour <b>lost heat and condensed into tiny water droplet</b>.</p>  |
| 11(c) | <p>As the temperature of the room increases, <b>the clear glass door gets warmer</b> and there is <b>less condensation</b>.</p>   |
| 12(a) | <p>The iron nail is magnetic. / The iron is made of magnetic material.</p>  |
| 12(b) | <p>She can increase the number of coils wire around the steel nail</p> <p>OR</p> <p>She can increase the number of batteries in the circuit.</p>  |
| 12(c) | <p>Angle X will be <b>0°</b>. Aluminium is a non-magnetic material so it <b>will not be</b></p>   |

