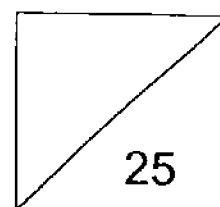


PRIMARY 5
SCIENCE TERM REVIEW 2



NAME: _____ () CLASS: PRIMARY 5 _____

DATE: 25 August 2016

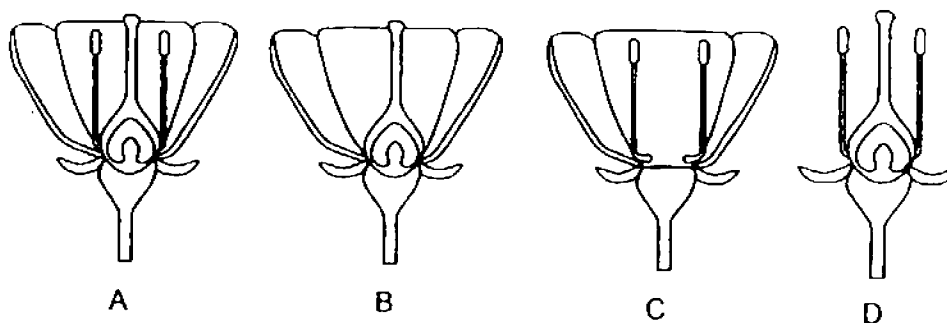
Duration of paper: 40 min

Parent's Signature: _____

Section A (8 x 2m = 16m)

For each question from 1 to 8, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write the number in the brackets provided.

1. The diagrams below show flowers A, B, C and D. Pollen grains from flowers of the same type were dusted over each flower.

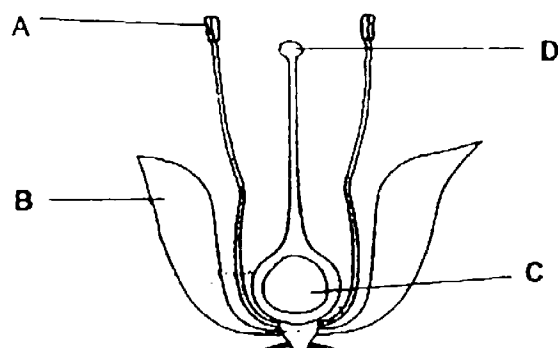


Which of the above flower(s) would most likely develop into a fruit?

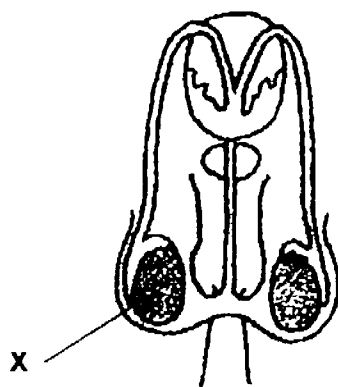
- (1) C only
- (2) A and D only
- (3) B and C only
- (4) A, B and D only

()

2. The diagrams below show parts of the reproductive systems of a flowering plant and a human.



Reproductive parts of a flower



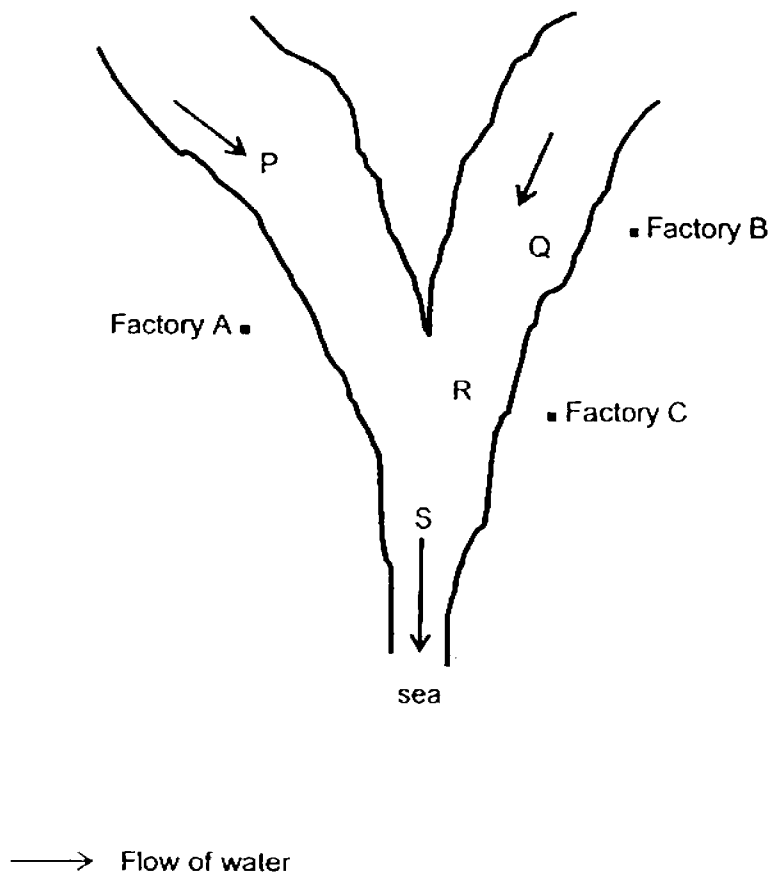
Male reproductive parts in human

Based on the diagrams above, which part of the flower, A, B, C or D, has a similar function as part X?

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

()

3. The diagram below shows two rivers joining together flowing downstream towards the sea. Factories A, B and C discharge the same amount of Substance X into the river daily.



Which one of the following parts of the water would be the least polluted by Substance X?

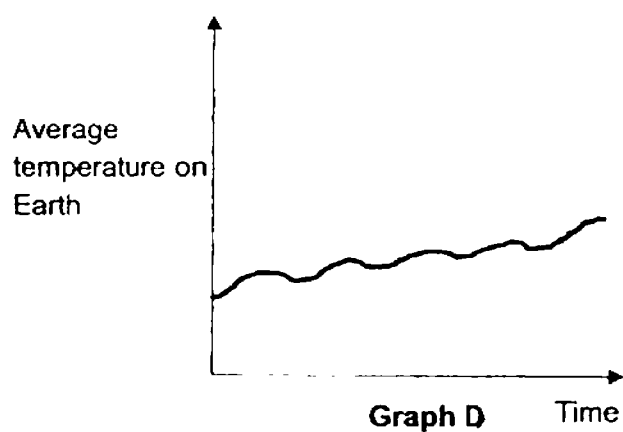
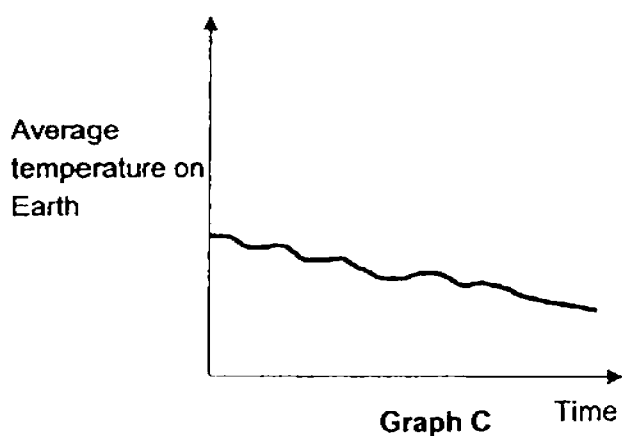
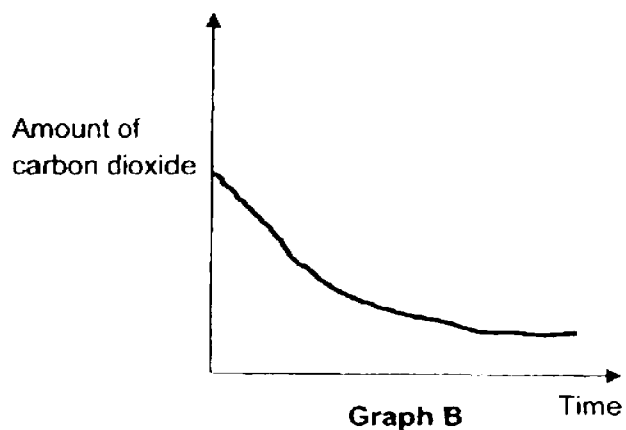
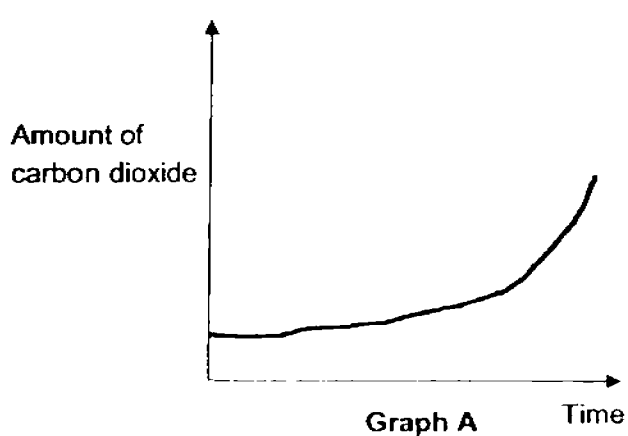
- (1) P
- (2) Q
- (3) R
- (4) S

()

4. The following activities were carried out:

- Clearing of forests through burning
- Using petrol and diesels in vehicles
- Smoke being released from factories

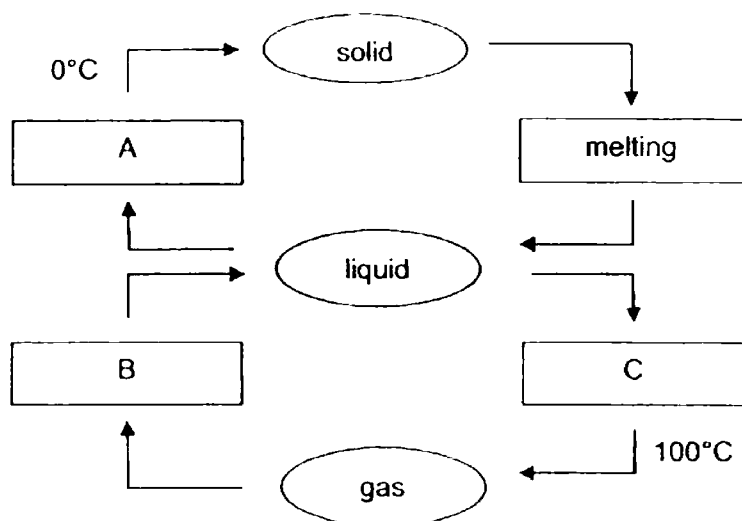
Which of the following graphs show how the conditions on Earth will change over time if these activities were carried out for a long period of time and at a high level?



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

()

5. The diagram below shows the changes of state of water.

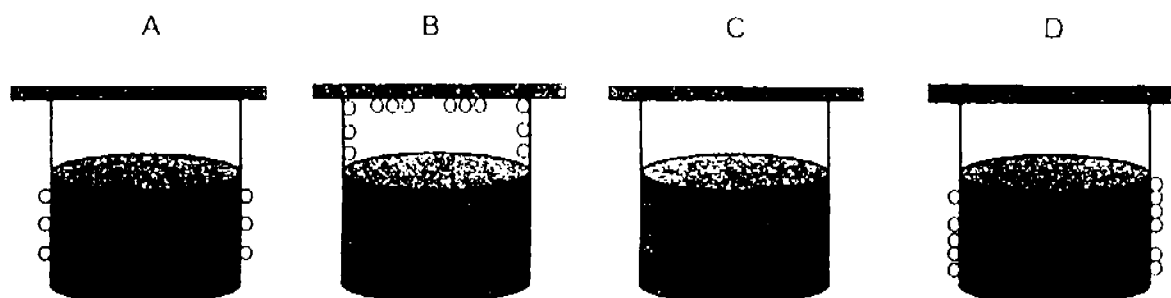


Which one of the following correctly describes the processes A, B, and C?

	A	B	C
(1)	freezing	evaporation	condensation
(2)	condensation	freezing	evaporation
(3)	freezing	condensation	boiling
(4)	condensation	evaporation	boiling

()

6. Four identical containers, A, B, C and D, containing the same volume of water at different temperatures are placed on the same table as shown below.



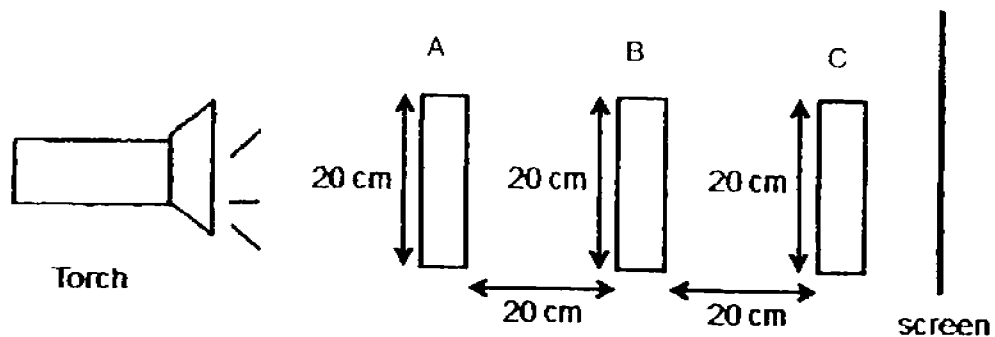
○ - Water droplets

Which of the following shows the temperature of the water in the beakers from the highest to the lowest?

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

()

7. Three objects were placed at positions A, B and C between a torch and a screen as shown in the diagram below.



The diagram below shows the shadow formed on the screen.

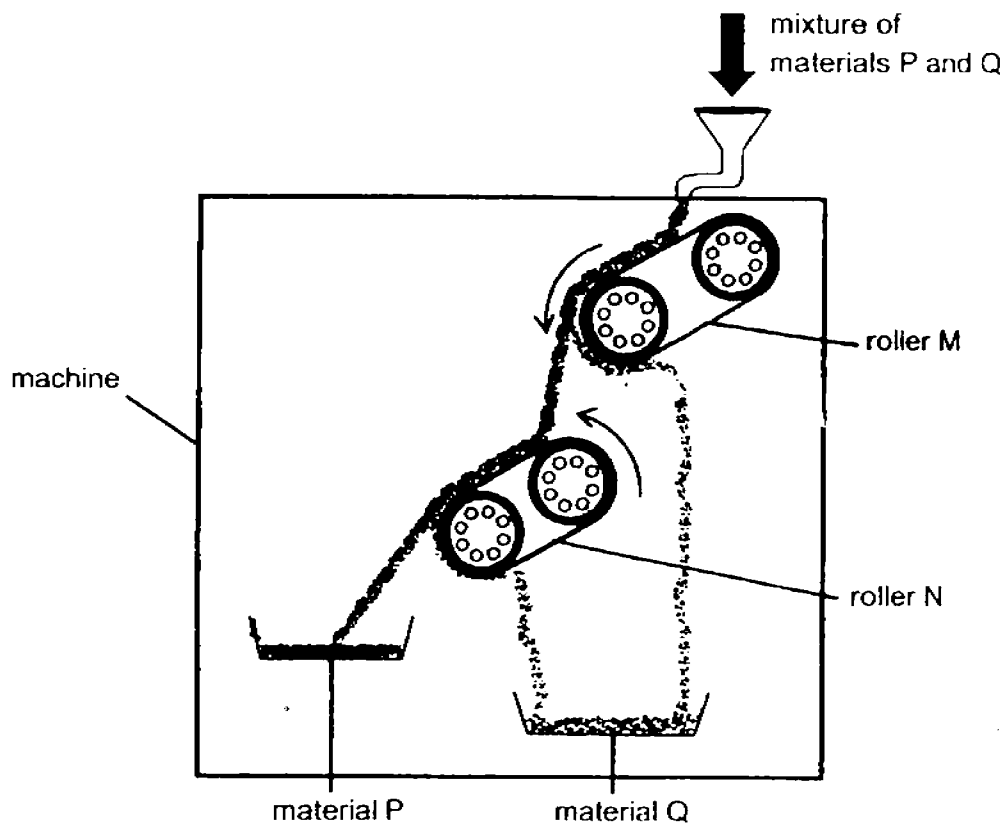


Which of the following shows correctly the objects at positions A, B and C?

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

()

8. A mixture of materials P and Q is poured into a machine that can separate materials based on their magnetic properties.



Based on the diagram above, which of the following conclusions are correct?

- A Only roller M is a magnet.
- B Material P is a magnetic material.
- C Material Q is a magnetic material.
- D Both rollers M and N are magnets.

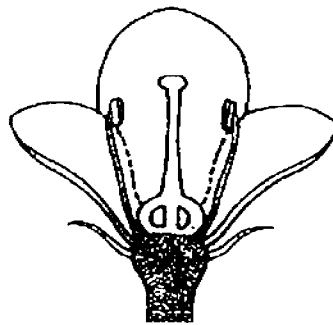
- (1) A and B only
- (2) A and C only
- (3) B and D only
- (4) C and D only

()

Section B (9 marks)

For questions 9 to 12, write your answers in the spaces provided.
The number of marks available is shown in [] at the end of each question or part question.

9. Ken observed the flower of Plant A in his school garden. He found out that the flower was pollinated by bees.

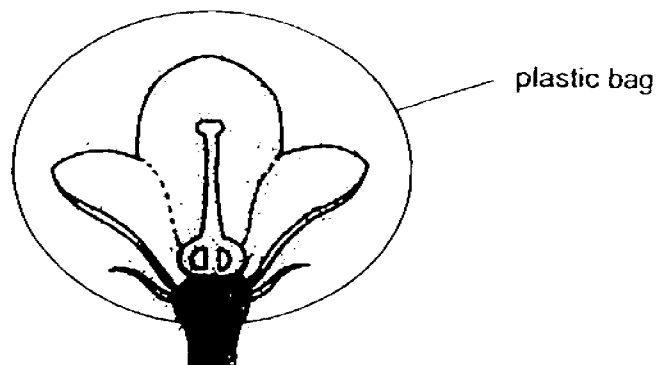


- (a) State two characteristics of the flower that enable it to be pollinated by bees. [1]

(i) _____

(ii) _____

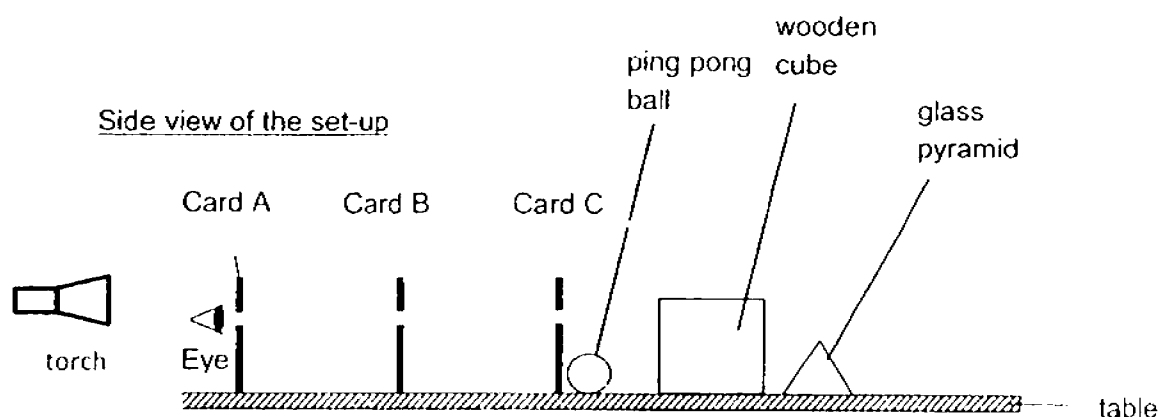
Ken conducted an experiment on the flower of Plant A. He removed a certain part of the flower and tied a plastic bag over it as shown in set-up X. He observed that some parts of the flower dried up and developed into a fruit after some time.



set-up X

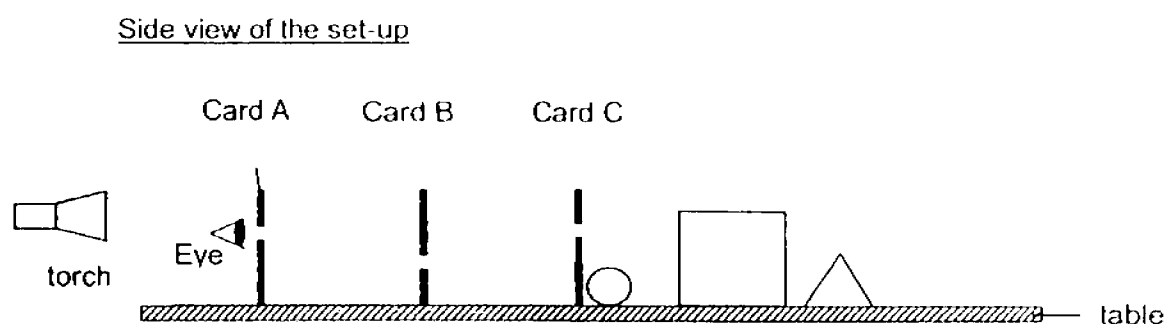
- (b) Explain why the flower could still develop into a fruit. [1]

10. Sharon conducted an experiment with three opaque cards, A, B and C. The holes on the cards were in a straight line. Three objects, a ping pong ball, a wooden cube and a glass pyramid, were placed in the positions as shown below. Sharon then looked through the hole of Card A.



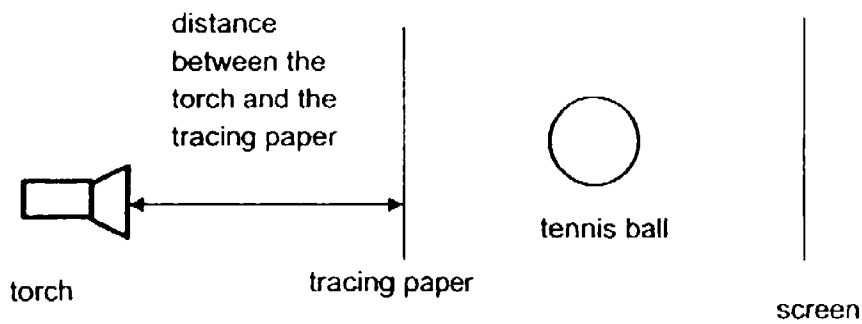
- (a) State the object(s) she could see [1]

Sharon turned Card B upside down as shown in the diagram below.

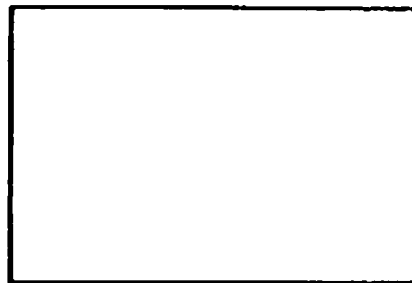


- (b) Could Sharon see any object when she looked through the hole of Card A again?
Give a reason for your answer. [2]

11. An experiment has been set up as shown in the diagram below.



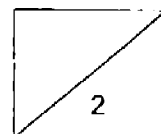
- (a) Draw and shade the shadow formed on the screen in the box below. [1]



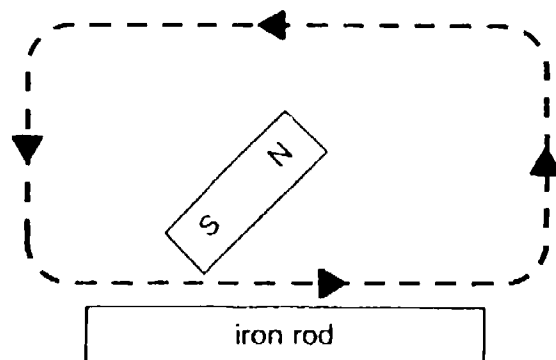
The position of the tracing paper and tennis ball remains unchanged. Sean measured the height of the shadow when he moved the torch to shine at different distance away from the tracing paper. The result was shown in the table below.

Distance between the torch and the tracing paper (cm)	Height of the shadow (cm)
5	20
10	16
15	12
20	8
25	4

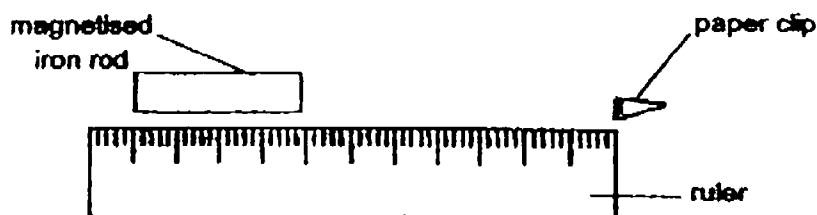
- (b) State the relationship to show how the distance between the torch and the tracing paper affects the height of the shadow. [1]



12. Darren used the "stroke" method to magnetise 4 identical iron rods, P, Q, R and S, as shown below.



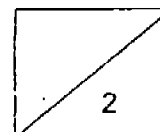
He then used the set-up as shown below to find out the magnetic strength of each of the magnetised iron rods.



Darren placed the paper clip and magnetised iron rod beside the ruler as shown above. Next, he pushed the iron rod slowly towards the paper clip until the paper clip is attracted to it and recorded the distance. He repeated the above steps with the other 3 magnetised iron rods.

Iron rods	Distance the paper clip is attracted to the magnetised iron rod (cm)
P	6
Q	10
R	14
S	9

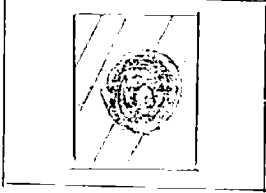
Based on the information in the table above, which one of the 4 iron rods, P, Q, R or S, did Darren stroke the most number of times with a magnet? Explain your answer. [2]



END OF PAPER

Primary 5 Science Term Review 2 (2016)
Answer Key

Question	Answer	Question	Answer
1	4	5	3
2	1	6	3
3	1	7	4
4	2	8	4

Qn no.	Answers
9	<p>(a) (i) Colourful petals (ii) Sweet smelling nectar</p> <p>(b) The flower was already pollinated (1m) before the plastic bag was tied over it.</p>
10	<p>(a) Wooden cube</p> <p>(b) Light reflected off the objects cannot pass through card B to reach her eyes.</p>
11	<p>(a) </p> <p>(b) The further the distance between the torch and the tracing paper, the shorter the height of the shadow.</p>
12	<p>Rod R. (Claim) It is able to attract the paper clip from the furthest distance. (Evidence) Thus it has the most magnetism. (Reason)</p>