

Index No.

DOB

50/1

**SCIENCE
PAPER 1**

**BOARD OF EXAMINATIONS
NEGARA BRUNEI DARUSSALAM**

**PENILAIAN SEKOLAH RENDAH
2012**

**SCIENCE
PAPER 1**
Time: 40 minutes

Instructions:

1. Write your Index Number and Date of Birth (DOB) in the box provided.
2. Do not open this booklet until you are told to do so.
3. Answer ALL QUESTIONS.
4. Work as quickly and carefully as you can. If you cannot answer a question, go on to the next one. Do not waste time.
5. When you are told to stop writing put your pen down and close the booklet.
6. You are given 5 minutes to look through the question paper.

Marker's Code No.	
Marker's Signature	
Checker's Code No.	
Checker's Signature	

MARKS

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Answer all questions. Choose the correct answer and write the letter (A, B, C or D) in the answer box.

1. Which of the following items is **soluble**?

- A. Rocks.
- B. Sand.
- C. Soil.
- D. Sugar.

☐

2. Bazeelah took some ice cubes from a fridge and put them on a table. She went out to water her plants. When she got back, she noticed that the ice cubes had melted and changed back to _____ state.

- A. gas
- B. liquid
- C. solid
- D. water vapour

☐

3. Which of the following plants grow from its roots?

- A. Bryophyllum.
- B. Carrot.
- C. Sweet potato.
- D. Yam.

☐

4. When we rub our hands together, heat is produced by _____.

- A. clapping
- B. friction
- C. hitting
- D. swinging

☐

5. How does a guitar produce sound?

- A. A guitar produces sound when air vibrates inside the guitar.
- B. A guitar produces sound when the body of the guitar vibrates.
- C. A guitar produces sound when the guitar pluck vibrates.
- D. A guitar produces sound when the strings vibrate.

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6. Figure 1 shows an ideal food pyramid.

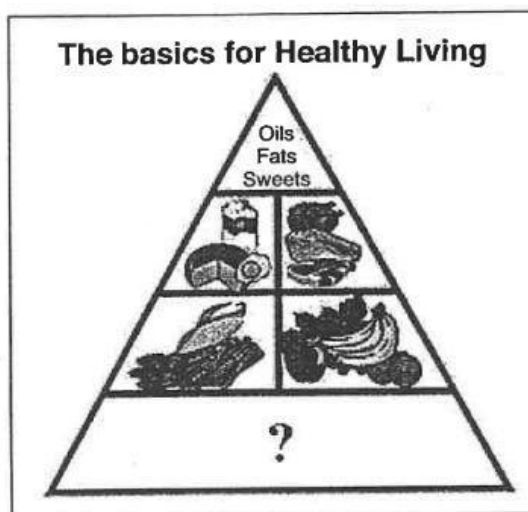


Figure 1

What collection of food should be placed at the bottom part of the food pyramid?

- A. Fish, milk and eggs.
- B. Rice, bread and noodles.
- C. Sweets, candy and ice cream.
- D. Tomatoes, cabbage and celery.

☐

7. Teeth 'S' in Figure 2 are used to bite and tear food. Name teeth 'S'.

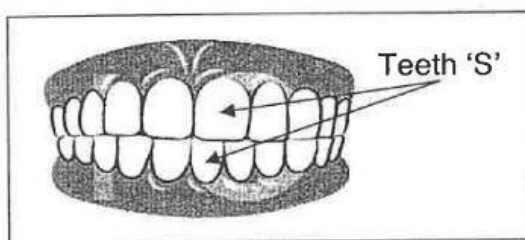


Figure 2

- A. Canines.
- B. Incisors.
- C. Molars.
- D. Premolars.

☐

8. In Table 1, the organs below are grouped according to the body systems that they belong to. Which organ has been placed **wrongly**?

Breathing system	Transport system	Digestive system
Lungs	Blood vessels	Mouth
Gullet	Heart	Stomach

Table 1

- A. Gullet.
B. Heart.
C. Mouth.
D. Stomach.

☐

9. An experiment was set up as shown in Figure 3. Three green beans were dropped into each tube.

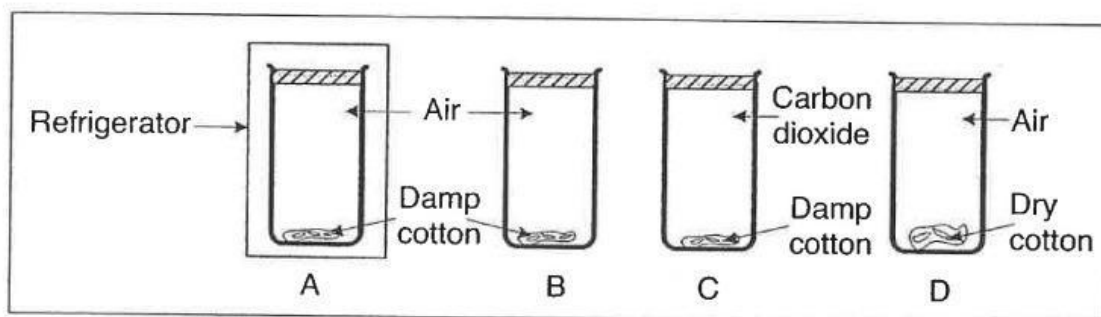


Figure 3

In which tube would the beans grow?

- A. Tube A.
B. Tube B.
C. Tube C.
D. Tube D.

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10. Which of the following organisms in Figure 4 is used to make Penicillin?

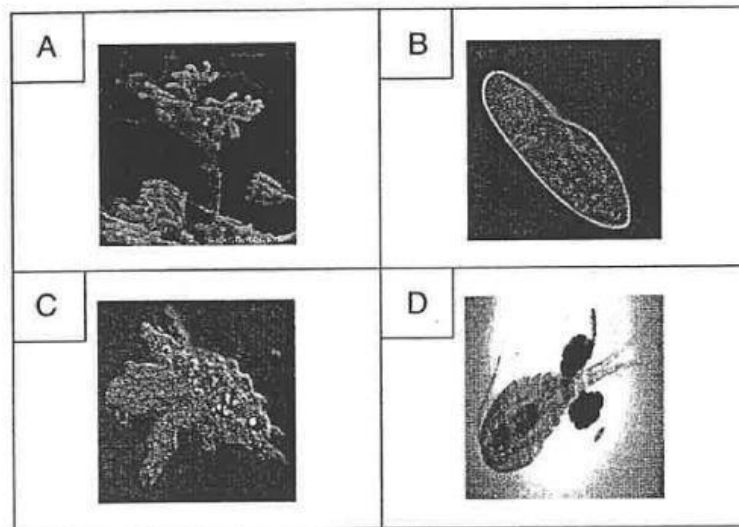


Figure 4

11. Figure 5 shows a humming bird sucking nectar from a hibiscus flower.

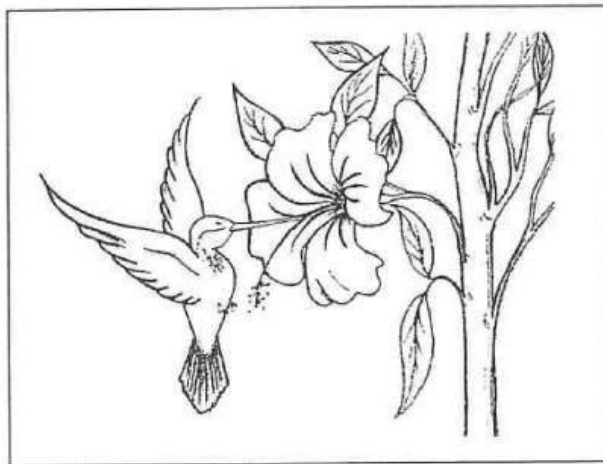


Figure 5

Which part of the humming bird is adapted to help it suck nectar from the flower?

- A. Beak.
- B. Eyes.
- C. Feathers.
- D. Wings.

12. Study Figure 6 below.

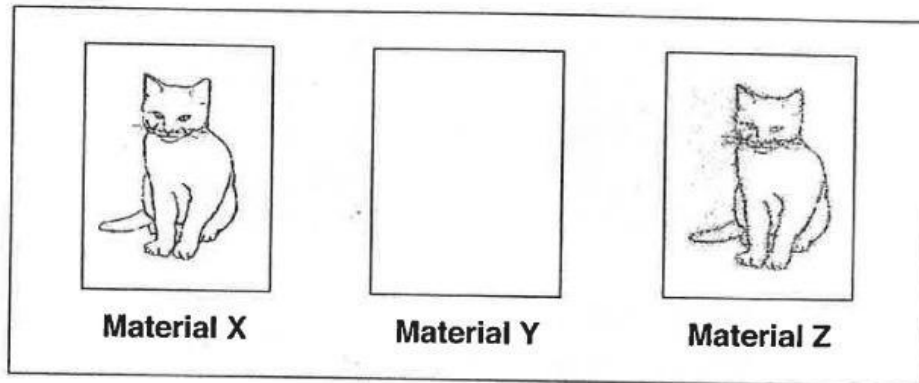


Figure 6

Dania looked at the cat through three different Materials X, Y and Z. She drew what she could see as shown above. Which of the following **correctly** describes the materials?

	Material X	Material Y	Material Z
A.	Opaque	Translucent	Transparent
B.	Translucent	Transparent	Opaque
C.	Transparent	Opaque	Translucent
D.	Transparent	Translucent	Opaque



13. Which of the following in Figure 7 give off their own light?

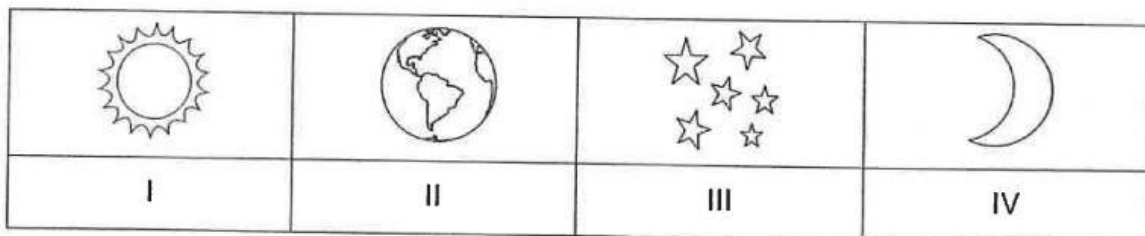


Figure 7

- A. I and II.
- B. I and III.
- C. I, II and III.
- D. II and IV.



14. In a game of push ball, Amir and Hafiz are pushing the ball as shown in Figure 8. Hafiz pushes with a greater force than Amir.

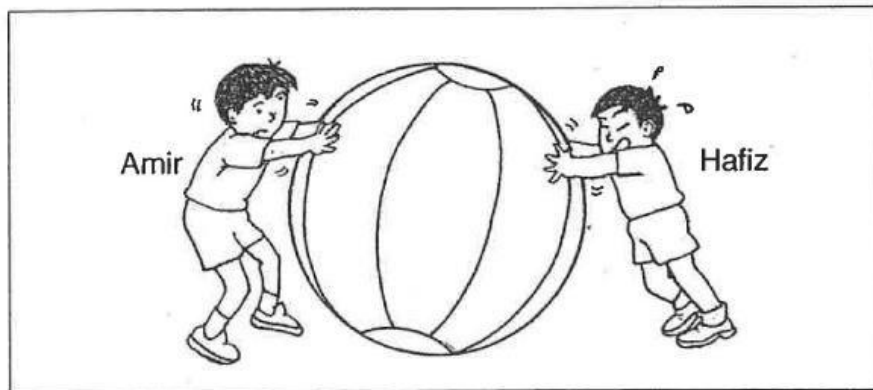


Figure 8

Which of the following statements is **true**?

- A. The ball moves quickly towards Hafiz.
- B. The ball moves towards Amir.
- C. The ball moves slowly towards Hafiz.
- D. The ball stops moving.

☐

15. Figure 9 shows sets of magnets. Which sets of magnets will **repel** each other?

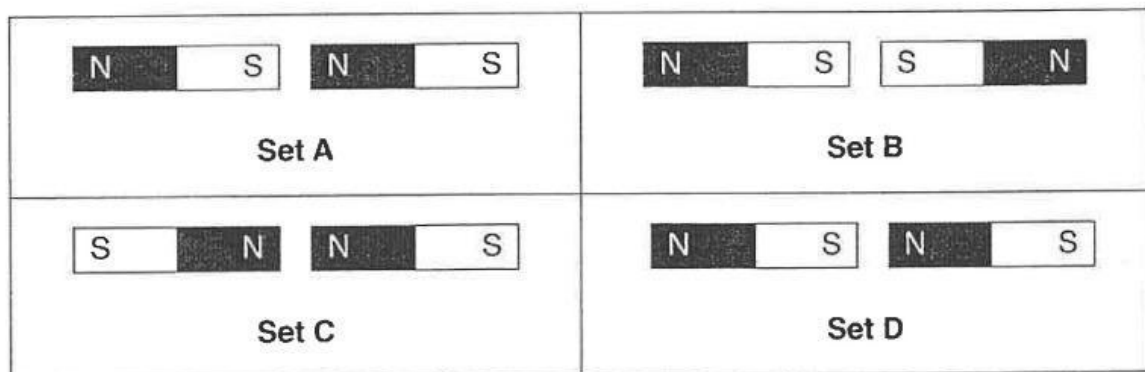


Figure 9

- A. Set A and Set B.
- B. Set A and Set C.
- C. Set B and Set C.
- D. Set C and Set D.

☐

16. How are the young of a frog, butterfly and mosquito **similar**?

- W: They all hatch from eggs.
 X: They all live in water.
 Y: They do not look like the adults.
 Z: They are all insects.

- A. W and X only.
 B. W and Y only.
 C. W, X and Y only.
 D. W, X and Z only.



17. Cikgu Kamil asked the following question to his pupils,
 'Name the animal that spreads Malaria'.

His pupils responded:

- A. Hana : 'Cockroaches'
 B. Haseef : 'Anopheles mosquito'
 C. Nazrin : 'Rats'
 D. Nuri : 'Houseflies'

Who gave the **correct** answer?



18. The root system in Figure 10 is called _____.

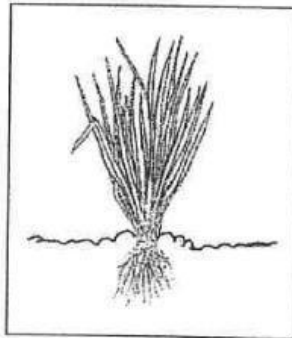


Figure 10

- A. fibrous root
 B. main root
 C. side root
 D. tap root



19. Which of the following diagrams in Figure 11 **correctly** shows how the man can see the flower?

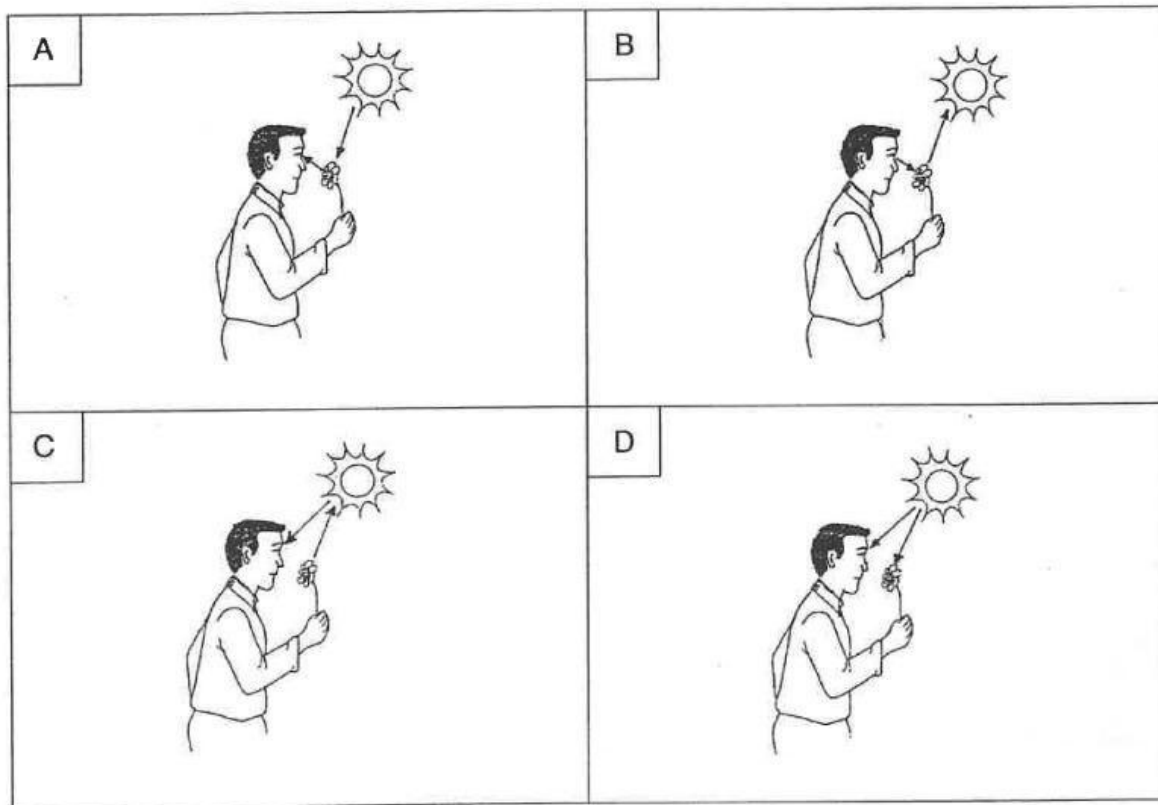


Figure 11



20. Medicinal drugs help the body to function well.

Which **two** items in Table 2 are medicinal drugs?

<i>tobacco</i>	<i>aspirin</i>	<i>nicotine</i>	<i>paracetamol</i>
a	b	c	d

Table 2

- A. a and c.
B. a and b.
C. a and d.
D. b and d.



21. When five rings were placed through a wooden pencil, the top rings floated on top of one another as shown in Figure 12.

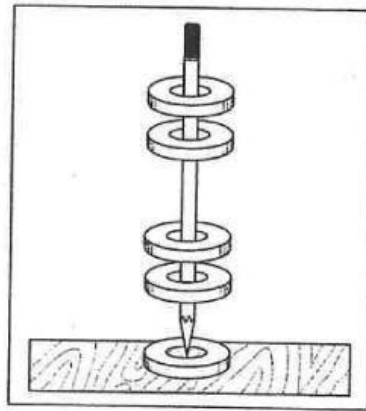


Figure 12

How many of the rings are magnets?

- A. Five.
- B. Four.
- C. Three.
- D. Two.

☐

22. The '3Rs': Recycle, Reduce and Reuse are the three different ways on how we can conserve the environment. Which of the following statements below is an example of a 'Reduce' activity?

- A. Bringing our own supermarket bags.
- B. Making new paper out of old newspapers.
- C. Using a glass jar as a vase for flowers.
- D. Using a plastic bottle as a pen holder.

☐

23. Day and night is caused by the rotation of the Earth from _____.

- A. East to West
- B. North to South
- C. South to North
- D. West to East

☐

24. Which of the following **best** describes the energy conversion that takes place when a light bulb is switched on?

- A. Electrical energy is converted into heat and light energy.
- B. Electrical energy is converted into stored energy.
- C. Light energy is converted into electrical energy.
- D. Stored energy is converted into heat energy.



25. We can help to conserve water by _____.

- W: washing our car with a hose.
 X: flushing the toilet using the 'Full Flush' rather than the 'Half Flush' mode.
 Y: using a mug of water instead of running tap while brushing our teeth.
 Z: fixing a leaking tap immediately.

- A. W and X only.
- B. W, X and Z only.
- C. X and Y only.
- D. Y and Z only.



26. Study the diagram in Figure 13 below.

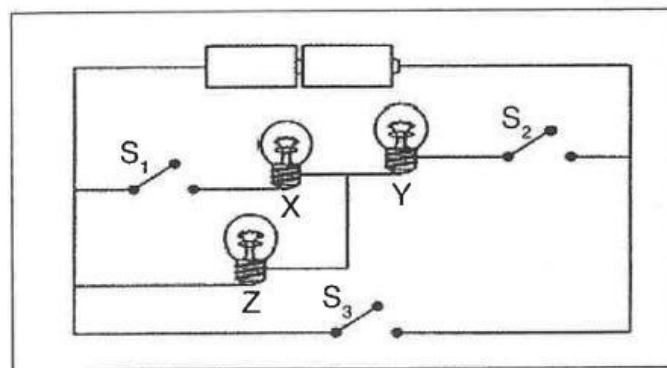


Figure 13

When only Switch 3 is closed, _____.

- A. bulb Z lights up
- B. bulbs X and Y light up
- C. bulbs X, Y and Z will light up
- D. bulbs X, Y and Z will not light up



27. Figure 14 shows grooves on escalators found at one of the departmental stores in the country.

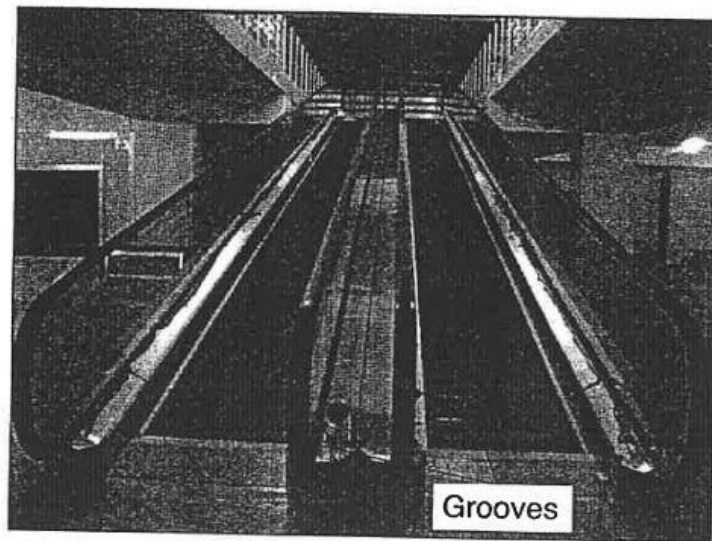


Figure 14

What is the purpose of the grooves?

- A. To increase friction.
- B. To make objects easier to move.
- C. To make the escalator beautiful.
- D. To produce more heat.

☐

28. Which of the following **correctly** describes how a thermometer which is placed in a cup of hot milk works?

- A. The expansion of the glass pushes the liquid in the thermometer.
- B. The hot milk enters the bulb of the thermometer and the liquid level rises.
- C. The liquid in the thermometer boils and rises as a vapour.
- D. The liquid in the thermometer expands and the level rises.

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29. Which of the following is **not** an effect of water pollution?

- A. Decrease in water organisms.
- B. Land becomes very dry.
- C. The spread of cholera.
- D. Water becomes contaminated.

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30. Study the diagram in Figure 15 below.

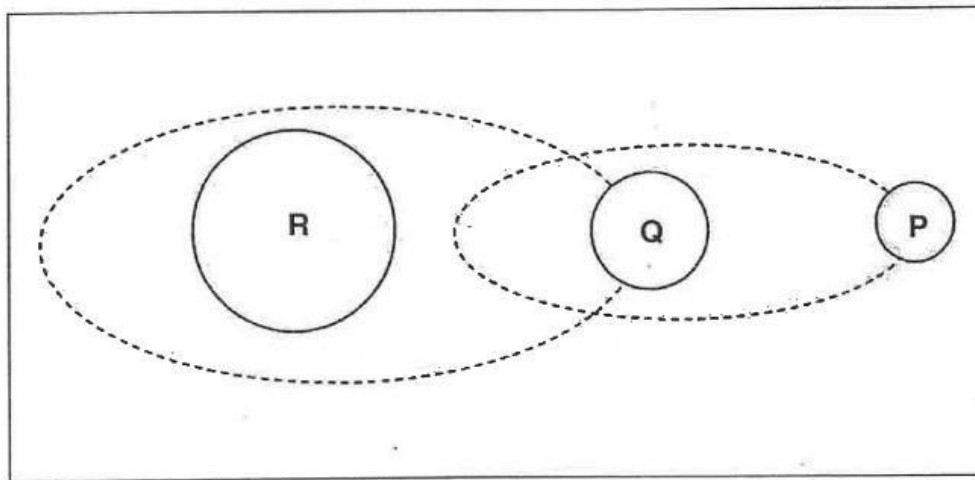


Figure 15

Which of the following identifies **P**, **Q** and **R** correctly?

	P	Q	R
A.	Earth	Moon	Sun
B.	Earth	Sun	Moon
C.	Moon	Earth	Sun
D.	Sun	Earth	Moon

☐

(30 marks)

TOTAL MARKS	
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END OF PAPER

