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## Primary 4 - Term 2 (SA1) Science (Henry Park) ↗

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### Test Introduction

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57 Questions (60 Points)

Question Bank: 19,950 Questions 

Test Questions

1 Test Assignment

### Question 1

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

#### Booklet A (28 x 2 marks)

For each question from 1 to 28, four options are given. One of them is the correct answer.

Which of the following statements about plants are correct?

A: Some plants have weak stems

B: The stem holds the plant firmly to the soil

C: A plant grows well when each plant part functions properly

A) A and B only

B) A and C only

C) B and C only

D) A, B and C

**Question Type:** Multiple Choice

**Randomize Answers:** No

**Date Added:** Thu 7th Jan 2021

**Last Modified:** N/A

**QID#:** 25,755,031

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### Question 2

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which one of the following is correct?

	Organ involved in digestion of food	Organ involved in the absorption of food
(1)	mouth	gullet
(2)	gullet	stomach
(3)	stomach	small intestine
(4)	small intestine	large intestine

- A) 1  
B) 2  
✓ C) 3  
D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,037

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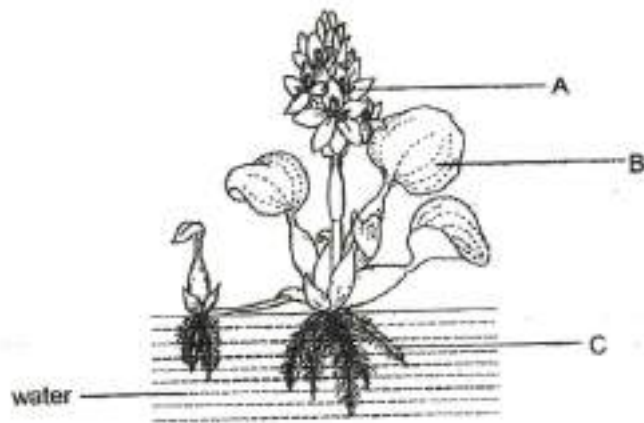
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### Question 3

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows a floating water plant.



Which of the following correctly shows the function of the parts of the plant?

	makes food	absorbs water
(1)	A	B
(2)	B	A
(3)	B	C
(4)	C	A

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,041

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## Question 4

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which of the following have mass and occupy space?

- ✓ A) apple and ink  
 B) marble and heat  
 C) apple and heat  
 D) ink and shadow

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,047

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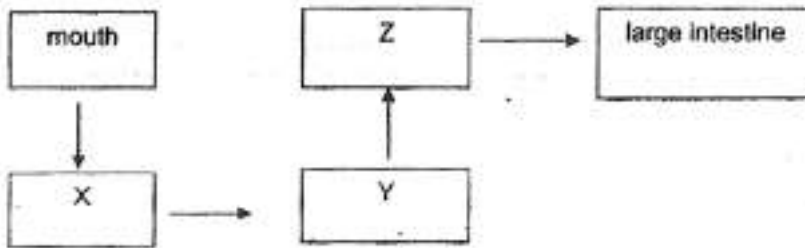
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## Question 5

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows how food travels in the human digestive system.



Based on the diagram, which of the following is correct?

	small intestine	stomach
(1)	X	Y
(2)	Z	Y
(3)	Y	Z
(4)	Y	X

- A) 1  
 ✓ B) 2  
 C) 3  
 D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,048

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## Question 6

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which one of the following is not a source of heat?

- ✓ A) a book  
 B) the sun  
 C) a lighted match

D) a burning candle

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,051

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## Question 7

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which of the following best represents matter in gaseous state?

	Can be compressed	Has a fixed shape
(1)	Yes	No
(2)	Yes	Yes
(3)	No	No
(4)	No	Yes

- ✓ A) 1  
B) 2  
C) 3  
D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,053

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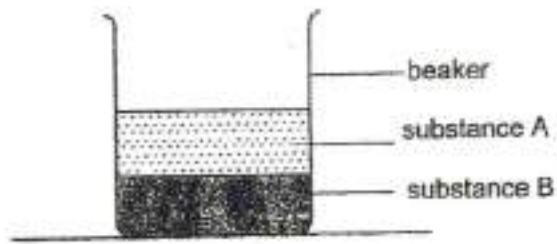
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## Question 8

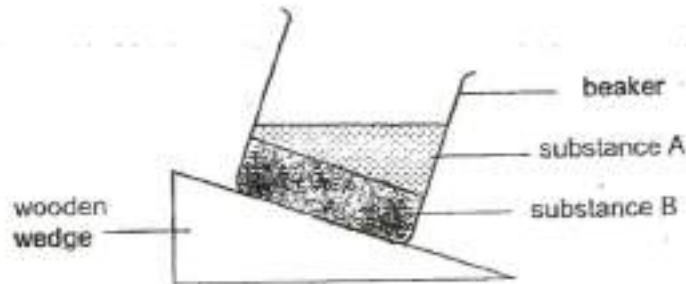
Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows a beaker containing two substances, A and B.



The beaker was then put on a wooden wedge, as shown below.



Which states of matter are substances A and B likely to be?

	A	B
(1)	gas	solid
(2)	gas	liquid
(3)	liquid	liquid
(4)	liquid	solid

- A) 1  
 B) 2  
 C) 3  
 ✓ D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,057

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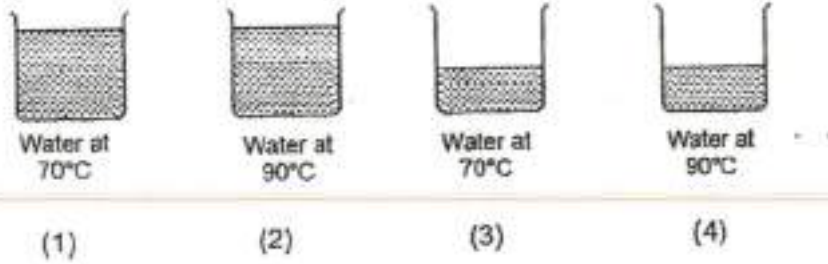
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## Question 9

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which of the following containers of water has the most amount of heat?



- A) 1  
 ✓ B) 2  
 C) 3  
 D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,059

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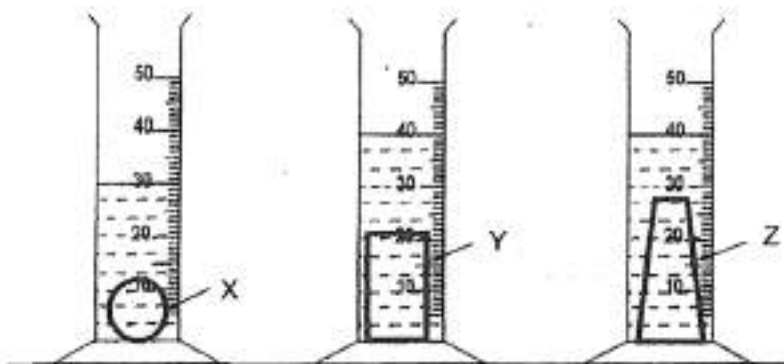
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## Question 10

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Jayden poured 25 ml of water into each of the three measuring cylinders. He then placed three different objects, X, Y and Z, into the measuring cylinders as shown in the diagram below.



Based on his observations, which of the following conclusions are correct?

- A: Object Z has the largest volume.  
 B: Objects Y and Z have the same volume.  
 C: Object Y has a greater volume than Object X.

- A) A and B only  
 B) A and C only

✓ C) B and C only

D) A, B and C

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,062

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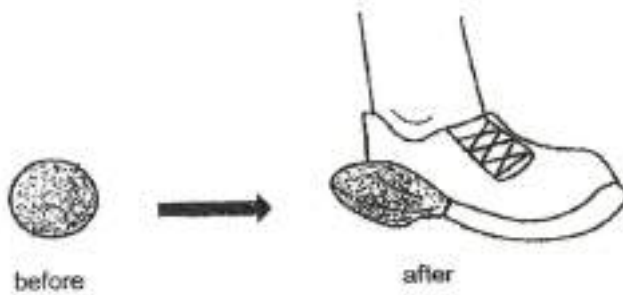
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## Question 11

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Joseph and his brother were playing table tennis. Joseph accidentally stepped on the table tennis ball as shown in the diagram below.



Based on the information given, which of the following is correct after Joseph stepped on the table tennis ball?

	Shape of the table tennis ball	Mass of the table tennis ball
(1)	changes	increases
(2)	changes	remains the same
(3)	remains the same	decreases
(4)	remains the same	remains the same

A) 1

✓ B) 2

C) 3

D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,069

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## Question 12

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The table below shows some properties of three objects A, B and C at room temperature.

Properties	Object A	Object B	Object C
Has a definite shape	Yes	No	No
Has a definite volume	Yes	Yes	No

Which of the following correctly represents objects A, B and C?

	Object A	Object B	Object C
(1)	oil	stone	oxygen
(2)	stone	oxygen	oil
(3)	stone	oil	oxygen
(4)	oil	oxygen	stone

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 7th Jan 2021  
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 QID#: 25,755,073

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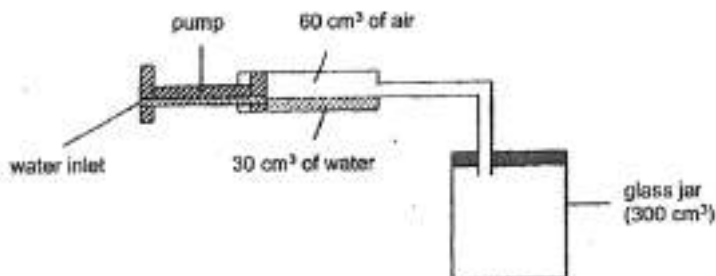
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## Question 13

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows a pump connected to a glass jar with a capacity of 300 cm<sup>3</sup>.



When the pump is pushed completely in, 30 cm<sup>3</sup> of water and 60 cm<sup>3</sup> of air is forced into the jar.

What is the volume of the air in the jar?

- A) 60cm<sup>3</sup>  
 ✓ B) 270cm<sup>3</sup>  
 C) 330cm<sup>3</sup>

D) 360cm<sup>3</sup>

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
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**QID#:** 25,755,080

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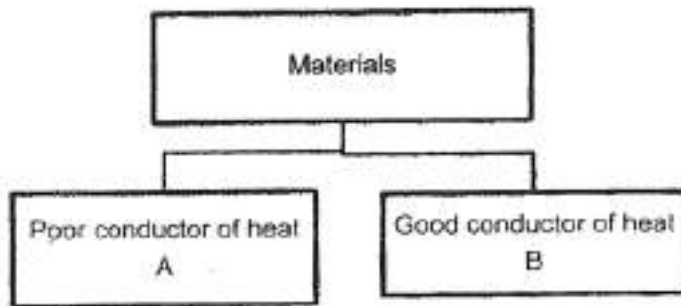
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## Question 14

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the classification table below.



Which of the following could materials A and B be?

	A	B
(1)	Steel	Aluminium
(2)	Paper	Wood
(3)	Cloth	Plastic
(4)	Ceramic	Copper

- A) 1  
 B) 2  
 C) 3  
 ✓ D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,084

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## Question 15

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

When we add ice cubes to hot milo, the hot milo \_\_\_ heat to the ice cubes and its temperature \_\_\_\_\_

- A) gains, falls
- B) gains, rises
- ✓ C) loses, falls
- D) loses, rises

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,092

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## Question 16

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows a frying pan.



The frying pan is made up of iron and plastic.

Why is the handle of the frying pan made of plastic?

- A) Plastic is light
- B) Plastic is flexible
- ✓ C) Plastic is a poor conductor of heat
- D) Plastic is a good conductor of heat

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,097

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## Question 17

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

A cup of cold water at 5°C was left on a table with a room temperature of 28°C.  
What would be the likely temperature of the cup of cold water after six hours?

- A) 0°C
- B) 5°C
- ✓ C) 28°C
- D) 90°C

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,110

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## Question 18

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Joshua keeps himself warm by sitting near a fire as shown in the diagram below.



Which of the following best explains why he feels warm around the fire?

- A) His body loses heat to the fire
- ✓ B) His body gains heat from the fire
- C) His body gains heat from the wood
- D) His body loses heat to the surrounding air

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,118

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## Question 19

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which of the following are examples of water gaining heat?

- A: A cup of ice melting  
 B: A pot of water boiling  
 C: A cup of water in a freezer

- A) A and B only  
 B) B and C only  
 ✓ C) A and C only  
 D) A, B and C

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 7th Jan 2021  
 Last Modified: N/A  
 QID#: 25,755,126

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## Question 20

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

John placed two similar 5 kg metal blocks on two similar stools made of different materials. Within a few minutes, he observed that stool P broke as shown in the diagram below.



After that, he placed two similar 10 kg metal blocks on stool Q and another similar stool, R, made of a different material. Within a few minutes, he observed that stool Q broke as shown in the diagram below.



What conclusions can John make based on his observations?

- A: Stool Q is made of the strongest material.  
 B: Stool Q is made of a stronger material than stool P.  
 C: Stool R is made of a stronger material than stool P.

- A) A and B only  
 B) A and C only  
 ✓ C) B and C only  
 D) A, B and C

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
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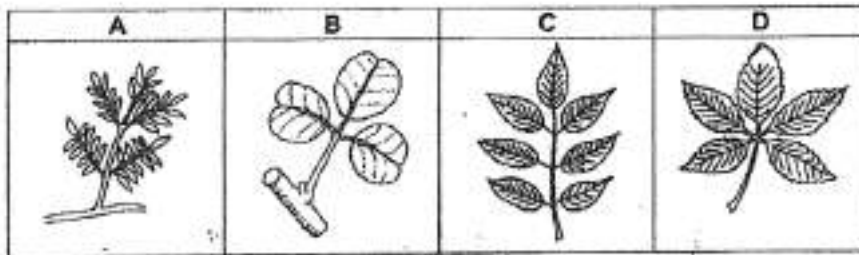
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## Question 21

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Jane observed some leaves. She classified the leaves as shown in the table below.



The diagram below shows leaf X.



Leaf X

In which group should Jane classify leaf X?

- ✓ A) A
- B) B
- C) C
- D) D

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,132

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## Question 22

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which of the following classifications about fungi and ferns are correct?

	Fungi	Fern
A	It is a not a plant.	It is a plant.
B	It reproduces through spores.	It reproduces through spores.
C	It makes its own food.	It feeds on decaying matter.

- ✓ A) A and B only  
 B) A and C only  
 C) B and C only  
 D) A, B and C

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 7th Jan 2021  
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## Question 23

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Old car tyres, made of rubber, are used in outdoor playgrounds for children to play hide-and-seek. Children are able to climb into the stacks of car tyres easily and safely.



Which of the following properties make a car tyre suitable for the hide-and-seek game at an outdoor playground?

- A: It is strong.  
 B: It does not absorb water.  
 C: It does not allow light to pass through.

- A) A and B only  
 B) A and C only  
 C) B and C only  
 ✓ D) A, B and C

Question Type: Multiple Choice  
 Randomize Answers: No  
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 Last Modified: N/A

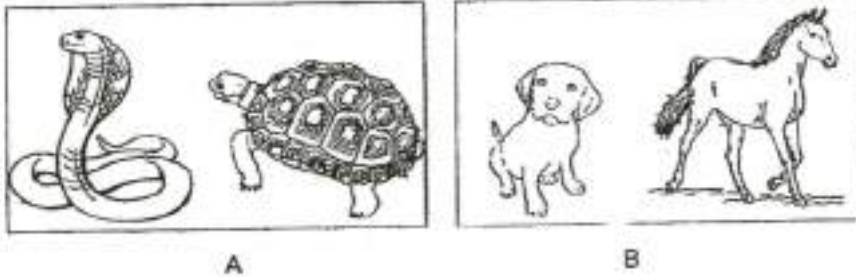
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[Remove From Test](#)**Question 24**

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the two groups of organisms, A and B, below.



Which of the following correctly describes how the organisms are grouped?

	Group	Covered with scales	Give birth to young alive
(1)	A	No	Yes
(2)	A	Yes	Yes
(3)	B	No	Yes
(4)	B	Yes	Yes

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
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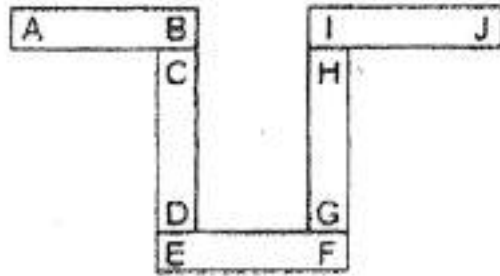
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[Remove From Test](#)**Question 25**

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

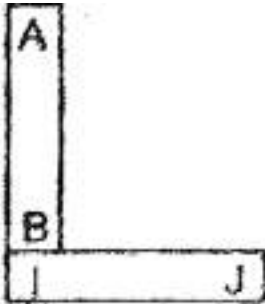


Five bar magnets with their poles marked A to J are arranged as shown below.

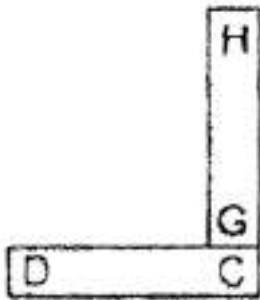


Which one of the following shows a possible arrangement of two magnets?

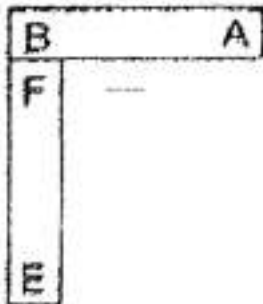
✓ A)



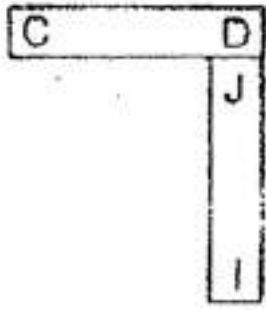
B)



C)



D)



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
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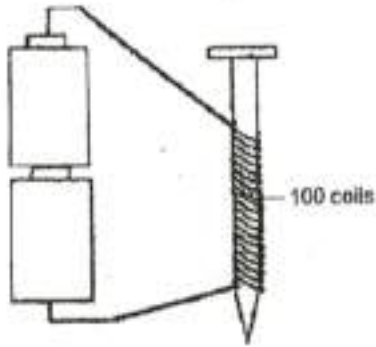
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## Question 26

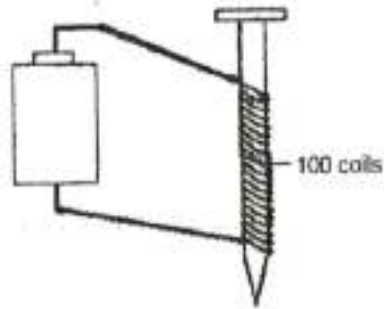
Primary 4 Science » Primary 4 Science (Term 2)

2 pts

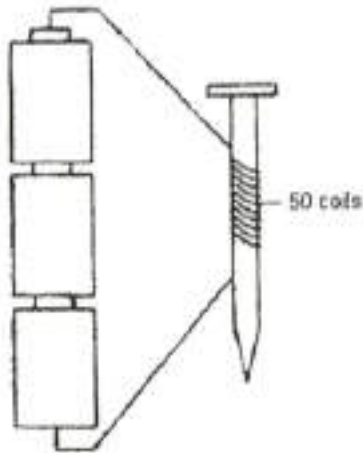
Peter wants to find out how the number of batteries affects the strength of an electromagnet. The diagrams below show the arrangements of each set-up.



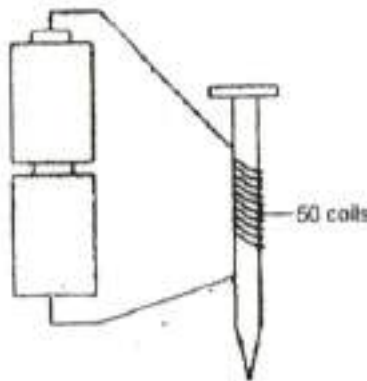
Set-up W



Set-up X



Set-up Y



Set-up Z

In order to conduct a fair test, which two set-ups should Peter choose?

- A) W and X
- B) X and Z
- ✓ C) Y and Z
- D) W and Y

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
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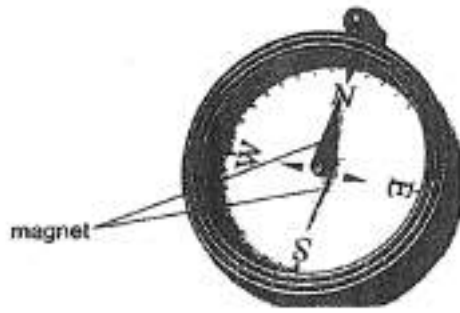
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## Question 27

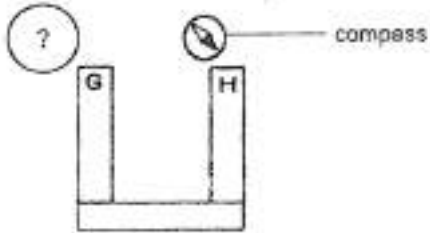
Primary 4 Science » Primary 4 Science (Term 2)


2 pts

A compass has a small magnet that can rotate freely as shown.



Three bar magnets were arranged such that they were attracted to one another. A compass was then placed near pole H and the direction of the compass needle is as shown below.



What would be the direction of the needle when the compass  was placed near G?

A)



✓ B)



C)



D)



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021  
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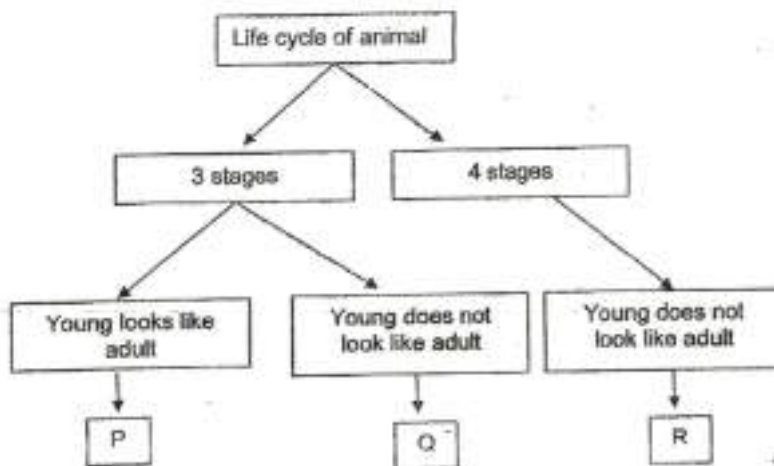
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## Question 28

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Look at the classification table below.



What could organism P, Q and R most likely be?

	P	Q	R
(1)	butterfly	frog	grasshopper
(2)	grasshopper	frog	butterfly
(3)	butterfly	grasshopper	frog
(4)	grasshopper	butterfly	frog

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 7th Jan 2021

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## Question 29

Primary 4 Science » Primary 4 Science (Term 2)

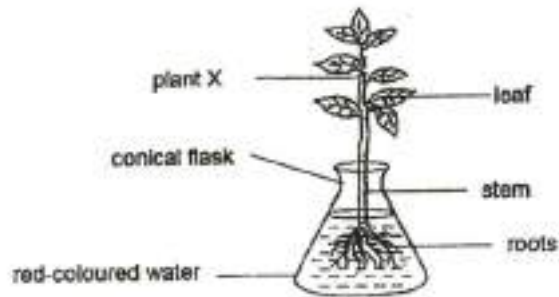
0 pts

### Booklet B

This section is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Ai Tong puts plant X, with green leaves into a conical flask of red-coloured water.



Name the main function of the roots.

Question Type: Essay  
Date Added: Thu 7th Jan 2021  
Last Modified: N/A  
QID#: 25,755,173

#### Correctly answered feedback

The roots absorb water for the plant

#### Incorrectly answered feedback

The roots absorb water for the plant

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

## Question 30

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

What would Ai Tong observe on the leaves of plant X after six hours?

Question Type: Essay  
Date Added: Thu 7th Jan 2021  
Last Modified: N/A  
QID#: 25,755,175

#### Correctly answered feedback

The leaves would turn red colour

#### Incorrectly answered feedback

The leaves would turn red colour

**Question 31**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Explain the observation made in (b)

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,179

**Correctly answered feedback**

The roots were placed in red-coloured water so the roots would absorb the water and then the water-carrying tubes would transport the red-coloured water to the leaves.

**Incorrectly answered feedback**

The roots were placed in red-coloured water so the roots would absorb the water and then the water-carrying tubes would transport the red-coloured water to the leaves.

**Question 32**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

The diagram below shows an organ system in the human body.



(a) Name the organ system shown above.

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,181

**Correctly answered feedback**

The skeletal system

**Incorrectly answered feedback**

The skeletal system

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 33**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

State two functions of the organ system show above.

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,186

**Correctly answered feedback**

1. It protects vital organs in the body.
2. It gives the body shape and support.

**Incorrectly answered feedback**

1. It protects vital organs in the body.
2. It gives the body shape and support.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 34**

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Name part Y

**Accepted answers:**

- ✓ The skull
- ✓ Skull

**Question Type:** Free Text  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,225

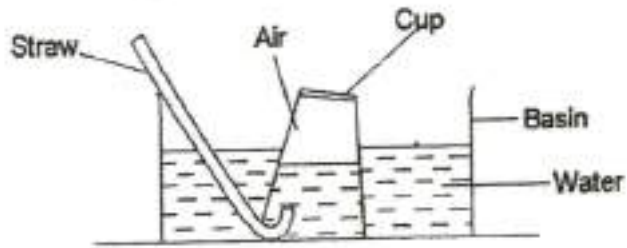
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 35**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts



Ali set up an experiment as shown below.



- ) Ali used a straw to blow air into the cup as shown in the diagram above. He observed that the water level in the cup decreased.

Explain Ali's observation.

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,228

**Correctly answered feedback**

There was air being blown into the cup and air occupies space. The air would push the water down as it could not escape.

**Incorrectly answered feedback**

There was air being blown into the cup and air occupies space. The air would push the water down as it could not escape.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

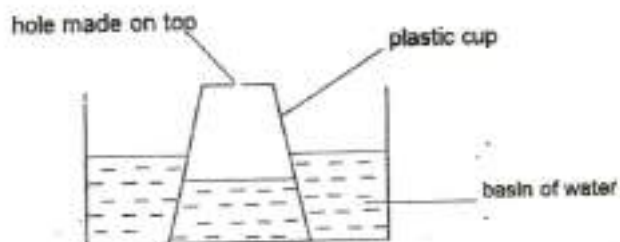
[Remove From Test](#)

## Question 36

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Ali used the same apparatus to do a second experiment. He removed the straw and made a hole on top of the plastic cup as shown in the diagram below.



- (b) What would happen to the water level in the cup after the hole was made? Explain why. [2]

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,237

**Correctly answered feedback**

Water level will increase as the air inside the cup escapes, more water from the basin will enter the cup to occupy space

**Incorrectly answered feedback**

Water level will increase as the air inside the cup escapes, more water from the basin will enter the cup to occupy space

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

**Question 37**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Classify **air, sound, coin** and **sunlight** correctly in the table below.

(a)

Matter	Non-matter
(i)	(iii)
(ii)	(iv)

Question Type: Essay  
 Date Added: Thu 7th Jan 2021  
 Last Modified: N/A  
 QID#: 25,755,244

**Correctly answered feedback**

Matter	Non-matter
(i) air	(iii) sound
(ii) coin	(iv) sunlight

**Incorrectly answered feedback**

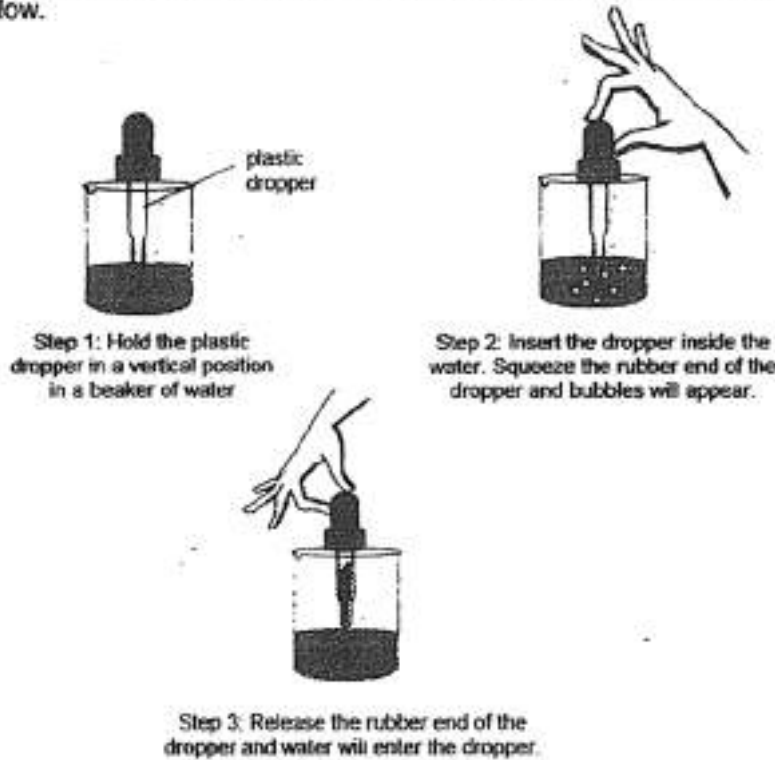
Matter	Non-matter
(i) air	(iii) sound
(ii) coin	(iv) sunlight

**Question 38**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Darren wanted to transfer 50 ml of liquid from the beaker onto a petri dish using a plastic dropper. He did the following as shown in the diagram below.



Explain why bubbles were observed in step 2.

[2]

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,329

**Correctly answered feedback**

There was air in the plastic dropper and when the rubber end of the dropper was squeezed, the air was pushed inside the water and the air became bubbles in order to get out of the water.

**Incorrectly answered feedback**

There was air in the plastic dropper and when the rubber end of the dropper was squeezed, the air was pushed inside the water and the air became bubbles in order to get out of the water.

**Question 39**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Tom conducted some tests on four materials, P, Q, R and S. He recorded his results in the table shown below.

Property	Materials			
	P	Q	R	S
flexible	X	✓	X	✓
sinks in water	✓	✓	X	✓
waterproof	✓	X	✓	✓
allows most light to pass through	✓	X	X	✓

A tick (✓) indicates the presence of the property while a cross (X) indicates the absence of the property.

- a) Which material should be used to make a float for beginning swimmers? Explain your answer.

[2]

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,333

**Correctly answered feedback**

R. It does not sink in water and is waterproof

**Incorrectly answered feedback**

R. It does not sink in water and is waterproof

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

## Question 40

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Tom concluded that both materials Q and R do not allow any light to pass through. Is Tom correct? Explain why

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,338

**Correctly answered feedback**

No. Even though they do not allow most light to pass through, it might still be able to let some light pass through and not definitely no light light allowed to pass through

**Incorrectly answered feedback**

No. Even though they do not allow most light to pass through, it might still be able to let some light pass through and not definitely no light light allowed to pass through

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

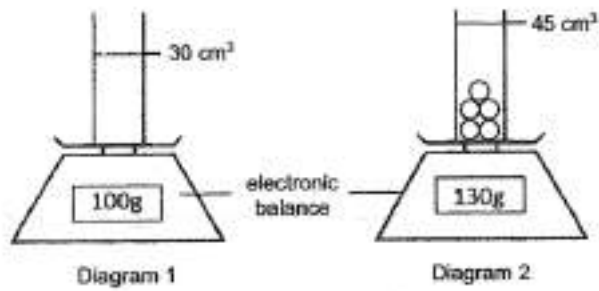
## Question 41

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

Fiona measured the mass and volume of a measuring cylinder of water as shown in diagram 1.

She then placed five marbles in the measuring cylinder of the water as shown in diagram 2.



(a) Based on the information given, state the mass and volume of the marbles. [1]

(i) Mass of the marbles = \_\_\_\_\_

Accepted answers:

- ✓ 30
- ✓ 30g
- ✓ 30 g

**Question Type:** Free Text  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,343

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

## Question 42

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

Volume of the marbles: \_\_\_\_\_

Accepted answers:

- ✓ 15cm<sup>3</sup>
- ✓ 15 cm<sup>3</sup>
- ✓ 15

**Question Type:** Free Text  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,346

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

## Question 43

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

State what happened to the water level when the marbles were placed inside the measuring cylinder.

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,352

**Correctly answered feedback**

The marbles occupy space and displaced the water causing the water level to rise.

**Incorrectly answered feedback**

The marbles occupy space and displaced the water causing the water level to rise.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

## Question 44

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Fiona filled up her bathtub with water to the brim to take a bath as shown below.



(c) Explain why the water in the bathtub overflowed when Fiona sat in the bathtub. [2]

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,356

**Correctly answered feedback**

The bath was filled to the brim and so the water rose out of the bath and overflowed.

**Incorrectly answered feedback**

The bath was filled to the brim and so the water rose out of the bath and overflowed.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

## Question 45

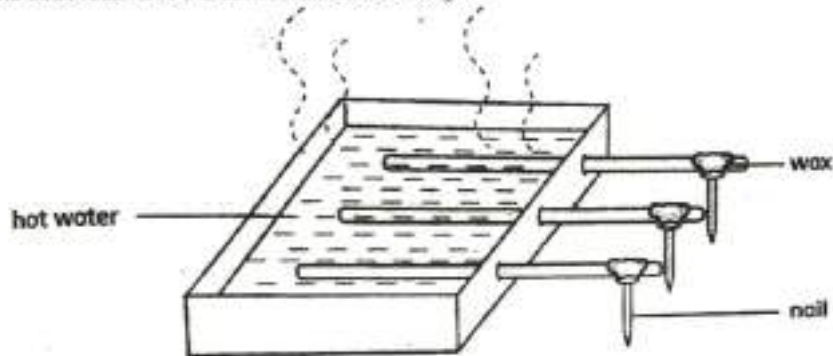
Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Nick set up an experiment as shown below.

He fixed a nail with some wax on one end of each of the three rods which are made of different materials. The other ends of the rods were inserted into the container of hot water. The same amount of wax was used for all the three rods.

The three rods have the same thickness and length.



He recorded the time taken for the nail to drop in the table below.

Rod	Time taken for the nail to drop (min)
W	4
X	1
Y	8

- (a) Based on the information given, which rod is the poorest conductor of heat? Explain your answer. [2]

Question Type: Essay  
 Date Added: Thu 7th Jan 2021  
 Last Modified: N/A  
 QID#: 25,755,363

#### Correctly answered feedback

Y. It took the longest time for the wax to melt, indicating that it conducted heat from the hot water to the wax the slowest out of X,Y and W. Hence, rod Y is the poorest conductor of heat.

#### Incorrectly answered feedback

Y. It took the longest time for the wax to melt, indicating that it conducted heat from the hot water to the wax the slowest out of X,Y and W. Hence, rod Y is the poorest conductor of heat.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

## Question 46

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Based on your answer in part (a), state a material that the rod is most likely made of

Accepted answers:

✓ plastic

Question Type: Free Text  
 Date Added: Thu 7th Jan 2021  
 Last Modified: N/A  
 QID#: 25,755,366

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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**Question 47**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Explain why the nails from rods X, Y and W will fall off after some time

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,369

**Correctly answered feedback**

The wax gained heat from the hot water and melted and the nails were connected to the wax

**Incorrectly answered feedback**

The wax gained heat from the hot water and melted and the nails were connected to the wax

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

**Question 48**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Mona places a metal spoon at room temperature in a cup of hot coffee. The temperature of the coffee is 90 °C.

After a few minutes, the metal spoon became very hot.



(a) Explain why the metal spoon became very hot in a short time.

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,373

**Correctly answered feedback**

The metal spoon gained heat quickly from the hot coffee

**Incorrectly answered feedback**

The metal spoon gained heat quickly from the hot coffee

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)



## Question 49

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

What happens to temperature of the hot coffee after some time? Explain your answer.

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,379

**Correctly answered feedback**

It would be the same temperature as the temperature of the metal spoon. The metal spoon would keep gaining heat while the coffee loses heat until they reach the same temperature

**Incorrectly answered feedback**

It would be the same temperature as the temperature of the metal spoon. The metal spoon would keep gaining heat while the coffee loses heat until they reach the same temperature

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

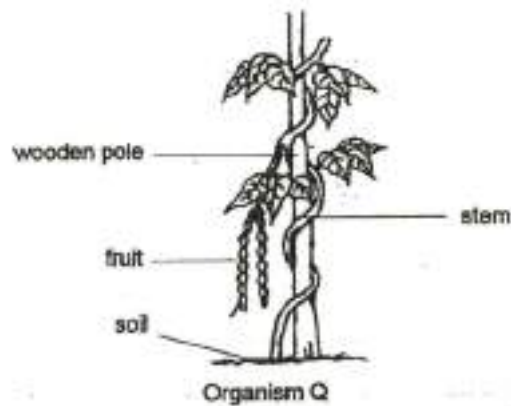
[Remove From Test](#)

## Question 50

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

The diagram below shows organism Q growing in a garden.



Ben and Carol observed organism Q and made the following statements.

Ben: "This is not a flowering plant because it has no flowers."

Carol: "This is a flowering plant. It produces fruits."

(a) Whose statement is **not** correct? Explain why.

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,393

**Correctly answered feedback**

The plant has/d fruits but before the fruits developed, the fruits were flower and Ben said it had no flower. Hence, Ben's statement is not correct.

**Incorrectly answered feedback**

The plant has/d fruits but before the fruits developed, the fruits were flower and Ben said it had no flower. Hence, Ben's statement is not correct.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

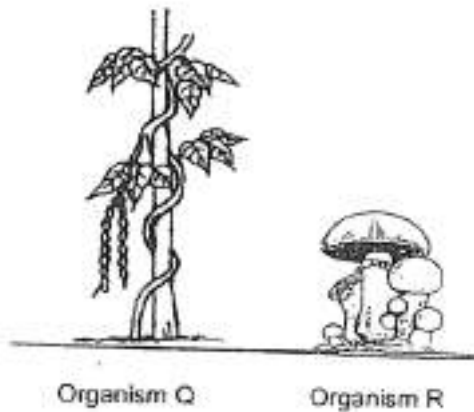
[Remove From Test](#)

## Question 51

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Ravi observed that organism R appeared the next day after it rained near organism Q.



(b) Based on the information given, state **one** condition necessary for organism R to grow.

Accepted answers:

✓ water

**Question Type:** Free Text  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,396

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

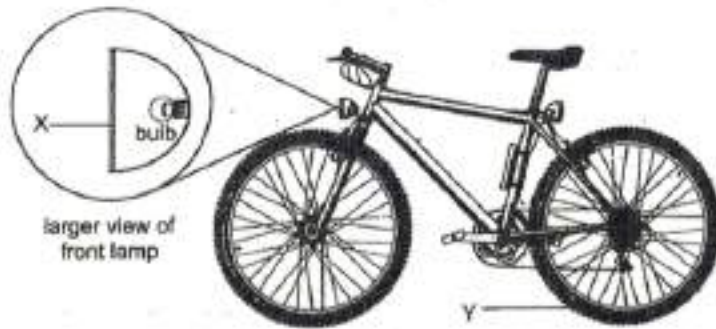
[Remove From Test](#)

## Question 52

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

The diagram below shows a bicycle.



The bulb in the front lamp gives out light.

In the table below, state the useful properties of the materials parts X and Y are made of. [2]

Part of the bicycle	State two useful properties of the material used to make each part
X	i) _____ ii) _____
Y	i) _____ ii) _____

Question Type: Essay  
 Date Added: Thu 7th Jan 2021  
 Last Modified: N/A  
 QID#: 25,755,401

**Correctly answered feedback**

Part of the bicycle	State two useful properties of the material used to make each part
X	i) It is strong. ii) It allows light to pass through.
Y	i) It is strong. ii) It is waterproof.

**Incorrectly answered feedback**

Part of the bicycle	State two useful properties of the material used to make each part
X	i) It is strong. ii) It allows light to pass through.
Y	i) It is strong. ii) It is waterproof.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

## Question 53

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Mark has two bars labelled M and N and a rod magnet.  
Bar N was attracted to the rod magnet as shown in the diagram below.



(a) Can this observation be used to conclude that bar N is a magnet? Explain why. [1]

Question Type: Essay  
Date Added: Thu 7th Jan 2021  
Last Modified: N/A  
QID#: 25,755,414

### Correctly answered feedback

No. Bar N attracted the magnet so it could be a magnetic material and not a magnet. It needs to show repulsion to conclude if it is a magnet as only magnets can repel another magnet.

### Incorrectly answered feedback

No. Bar N attracted the magnet so it could be a magnetic material and not a magnet. It needs to show repulsion to conclude if it is a magnet as only magnets can repel another magnet.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

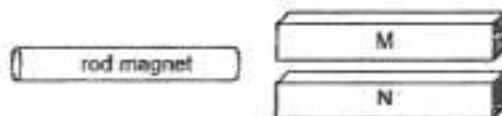
[Remove From Test](#)

## Question 54

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Then he carried out an experiment using the two bars and the rod magnet. From his experiment, he concluded that bar M is a magnet.



(b) Explain what he did and the observation he made to come to the conclusion that bar M is a magnet. [2]

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,418

**Correctly answered feedback**

He held the rod magnet next to both sides of M and one side attracted and the other repelled.

**Incorrectly answered feedback**

He held the rod magnet next to both sides of M and one side attracted and the other repelled.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

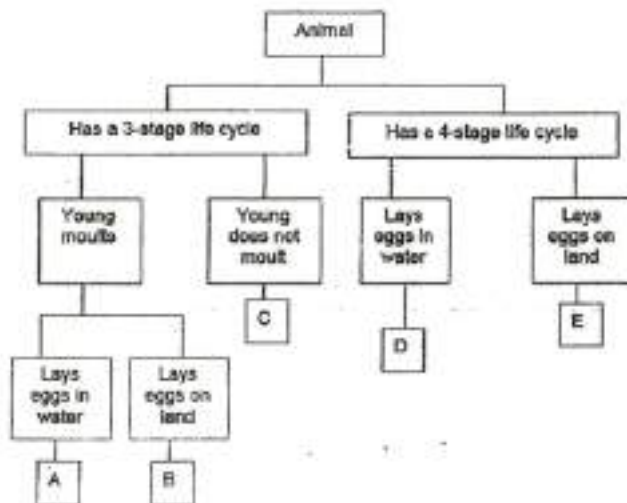
[Remove From Test](#)

**Question 55**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Study the following classification chart of some animals.



Based on the information given, answer the questions below.

- (a) State one similarity between animals A and D.

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,420

**Correctly answered feedback**

They both lay their eggs in water.

**Incorrectly answered feedback**

They both lay their eggs in water.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

**Question 56**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

State one difference between animal B and C

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,424

**Correctly answered feedback**

B's young moults while C's young does not moult

**Incorrectly answered feedback**

B's young moults while C's young does not moult

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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**Question 57**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Put a (✓) in the correct box for an animal that represents animal B and another animal that represents animal E. [2]

	Animal B	Animal E
(i) chicken		
(ii) cockroach		
(iii) mosquito		
(iv) beetle		

**Question Type:** Essay  
**Date Added:** Thu 7th Jan 2021  
**Last Modified:** N/A  
**QID#:** 25,755,433

**Correctly answered feedback**

	Animal B	Animal E
<b>(i) chicken</b>		
<b>(ii) cockroach</b>	✓	
<b>(iii) mosquito</b>		
<b>(iv) beetle</b>		✓

**Incorrectly answered feedback**

	Animal B	Animal E
(i) chicken		
(ii) cockroach	✓	
(iii) mosquito		
(iv) beetle		✓

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)