

## Primary 4 - Term 2 (SA1) Science (SCGS) /

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### Test Introduction

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**47 Questions** (57 Points)

 Question Bank: 19,950 Questions 
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### Question 1

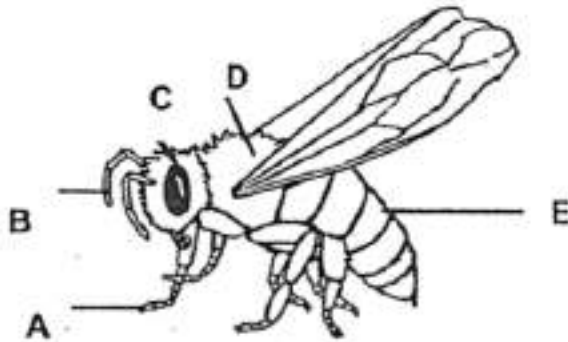
Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Booklet A (25 x 2 marks)

For each question from 1 to 25, four options are given. One of them is the correct answer.

The picture below shows a honeybee.



Which of the following parts are labelled correctly?

	Antenna	Thorax	Abdomen
(1)	A	C	D
(2)	A	D	E
(3)	B	C	D
(4)	B	D	E

- A) 1  
B) 2  
C) 3

✓ D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,958,885

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## Question 2

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The table below shows the properties of materials A, B and C. A tick (✓) indicates that the material has the property.

Material	Properties			
	Flexible	Waterproof	Ability to float	Breaks easily
A	✓	✓	✓	
B	✓		✓	
C	✓			
D		✓	✓	✓

Which material, A, B, C or D, would you use to make a shower cap to keep the hair dry in the shower?

- ✓ A) A  
 B) B  
 C) C  
 D) D

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,958,934

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## Question 3

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which one of the following shows the correct order when food moves through part of the digestive system?

(1)	gullet → stomach → large intestine → small intestine
(2)	gullet → stomach → small intestine → large intestine
(3)	stomach → small intestine → gullet → large intestine
(4)	stomach → gullet → small intestine → large intestine

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,958,981

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## Question 4

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which one of the following shows how water travels in a plant?

- A) stem -> leaf -> roots  
 B) roots -> stem -> leaf  
 C) stem -> roots -> leaf  
 D) roots -> fruit -> flowers

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,061

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## Question 5

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which of the following is a flowering plant?

- A)



(1) Bread Mould

B)



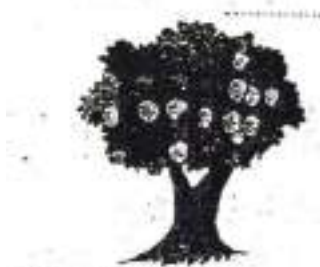
(2) Bird's Nest Fern

C)



(3) Mushroom

✓ D)



(4) Mango Tree

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,157

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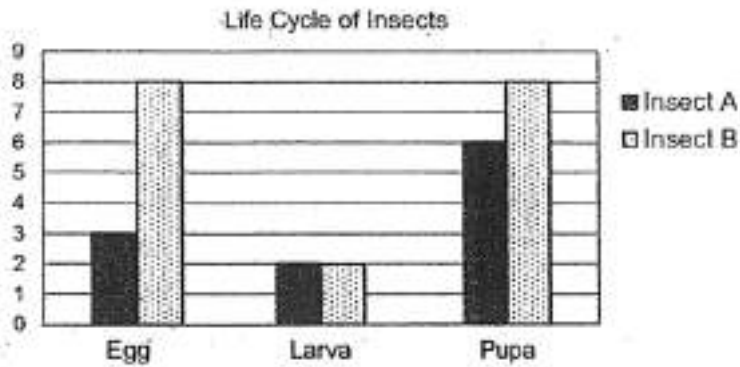
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## Question 6

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows the duration of the first 3 stages of the life cycles of Insect A and Insect B respectively.



Which of the following is most likely to represent Insect A and Insect B respectively 9 days after the eggs were hatched?

	Insect A	Insect B
(1)	Pupa ✓	Larva ✓
(2)	Pupa	Adult
(3)	Adult	Pupa
(4)	Adult	Adult

- A) 1  
B) 2  
✓ C) 3  
D) 4

Question Type: Multiple Choice  
Randomize Answers: No  
Date Added: Tue 29th Sep 2020  
Last Modified: N/A  
QID#: 23,959,170

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## Question 7

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The characteristics of 3 types of living things, X, Y and Z, are shown in the table below.

	X	Y	Z
Does it make its own food?	Yes	No	Yes
Can it produce flowers?	Yes	No	No

Which of the following statements is/are true?

- A: X and Z have green leaves  
B: X and Z reproduce by seeds.  
C: Y and Z are ferns.  
D: X is a flowering plant.

- A) A and B only

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,205

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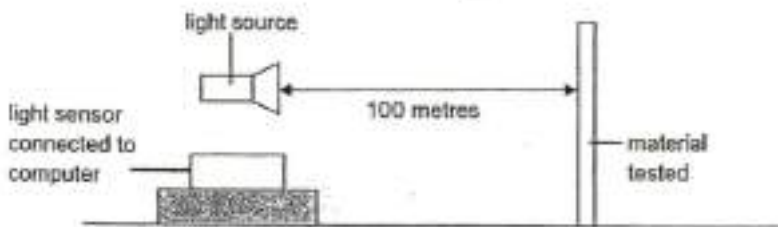
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## Question 8

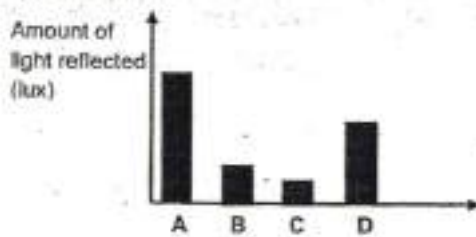
Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Daniel conducted an experiment to find out the amount of light reflected by four different materials, A, B, C and D. He set up his experiment as shown in the diagram below.



He placed the material at 100 metres away from the light source and he used a light sensor to record the amount of light reflected. The results are shown in the graph below.



Based on the results of his experiment, which material would be most suitable to make the letterings of a signboard along the road so that motorists can see them clearly from far away at night?

- ✓ A) A  
 B) B  
 C) C  
 D) D

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,275

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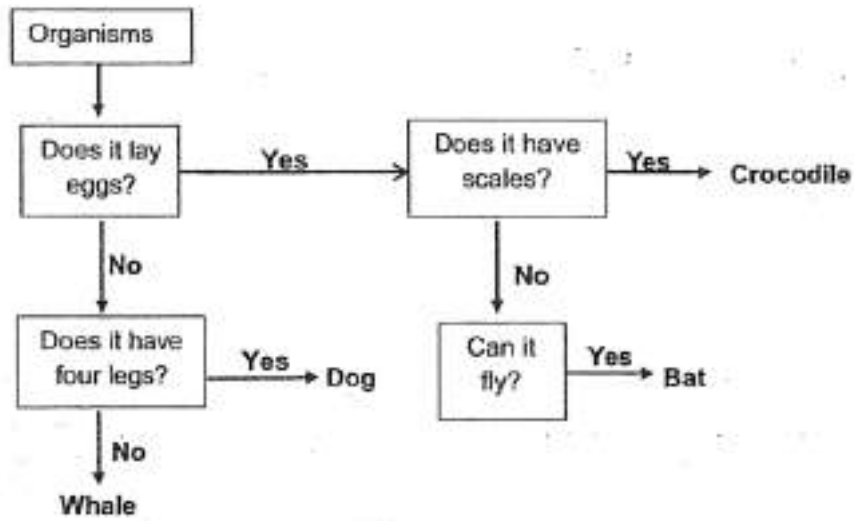
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## Question 9

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the flowchart below.



Which animal is classified wrongly?

- A) Crocodile
- B) Whale
- C) Dog
- ✓ D) Bat

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,381

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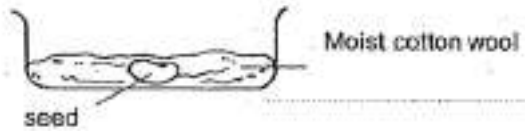
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## Question 10

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Rachel wanted to find out what is the best temperature for seed germination and prepared 4 set-ups similar to the one shown in the diagram below.



She placed the 4 set-ups at different locations as shown in the table below.

Set-up	Location	Temperature
A	In the oven	85°C
B	In the fridge	2°C
C	In the cupboard	26°C
D	In the classroom	30°C

In which 2 set-ups would the seed germinate?

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

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Tue 29th Sep 2020  
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 QID#: 23,959,433

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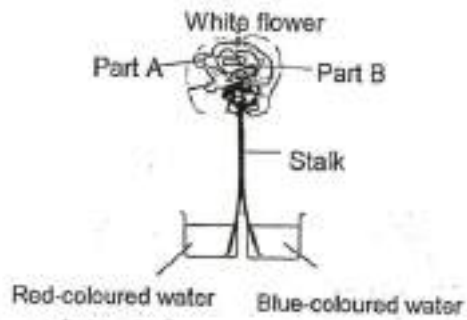
## Question 11

Primary 4 Science » Primary 4 Science (Term 2)

2 pts



Eve split the stalk of white flower into 2 halves. She placed half of the stalk in red-coloured water and the other half in blue-coloured water as shown below. The set-up was left overnight.



The next day, what would Eve observed?

	Part A	Part B
(1)	White	White
(2)	Blue	Red
(3)	Red	Blue
(4)	Purple	Purple

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
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**QID#:** 23,959,478

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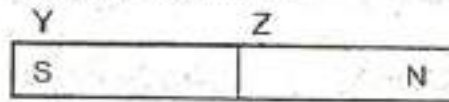
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## Question 12

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

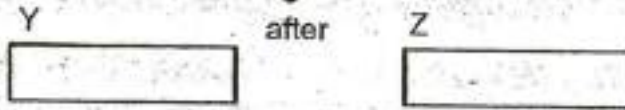
Paul broke a bar magnet into two pieces.



before



after



Which of the following shows what poles Y and Z are?

	Y	Z
(1)	North	North
(2)	South	South
(3)	North	South
(4)	South	North

- A) 1  
 ✓ B) 2  
 C) 3  
 D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
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**QID#:** 23,959,481

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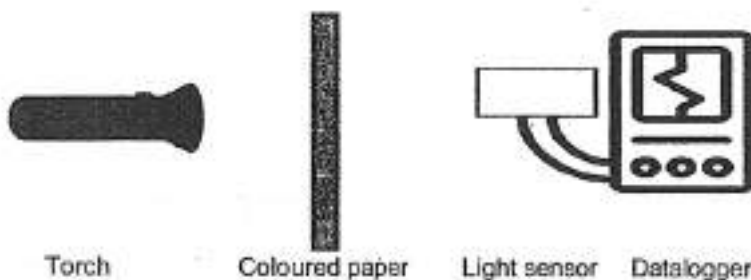
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## Question 13

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Sammi used the set-up below to find out how different types of coloured paper affects the amount of light that passes through it.



Which of the following must Sammi change to conduct the experiment?

- ✓ A) Types of coloured paper
- B) Amount of light that passes through the coloured paper
- C) Distance of torchlight to the coloured paper
- D) Thickness of coloured paper

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
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**QID#:** 23,959,513

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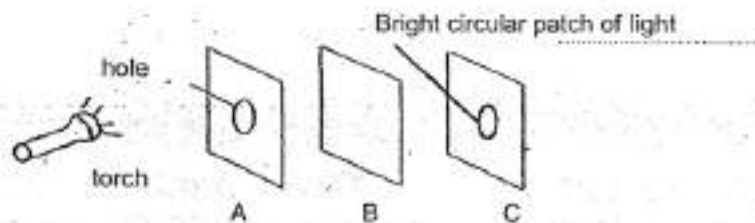
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## Question 14

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Pamela conducted the experiment as shown below in a dark room. The sheets, A, B and C, are arranged in a straight line. When the torch is turned on, a circular patch of bright light is seen on sheet C only.



Which of the following materials are sheets A, B and C made of respectively?

	Sheet A	Sheet B	Sheet C
(1)	Wood	Clear plastic	Rubber
(2)	Rubber	Wood	Clear plastic
(3)	Clear plastic	Wood	Rubber
(4)	Clear plastic	Clear plastic	Wood

- ✓ A) 1
- B) 2
- C) 3
- D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,519

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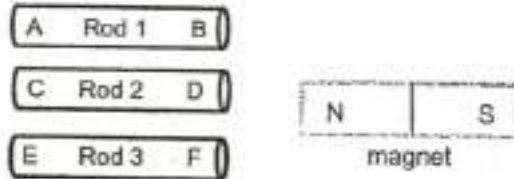
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## Question 15

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Jimmy has three rods, 1, 2 and 3 as shown below. They are made of different materials.



When a magnet is placed near the ends of each rod at a time, he observed the following results.

Rod	End	Response to North Pole	Response to South Pole
1	A	Attracted	Attracted
	B	Attracted	Attracted
2	C	Did not move	Did not move
	D	Did not move	Did not move
3	E	Attracted	Repelled
	F	Repelled	Attracted

Identify the materials of Rod 1, 2 and 3.

	Rod 1	Rod 2	Rod 3
(1)	Copper	Iron	Steel
(2)	Steel	Plastic	Copper
(3)	Iron	Plastic	Steel
(4)	Aluminium	Steel	Iron

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Tue 29th Sep 2020  
 Last Modified: N/A  
 QID#: 23,959,537

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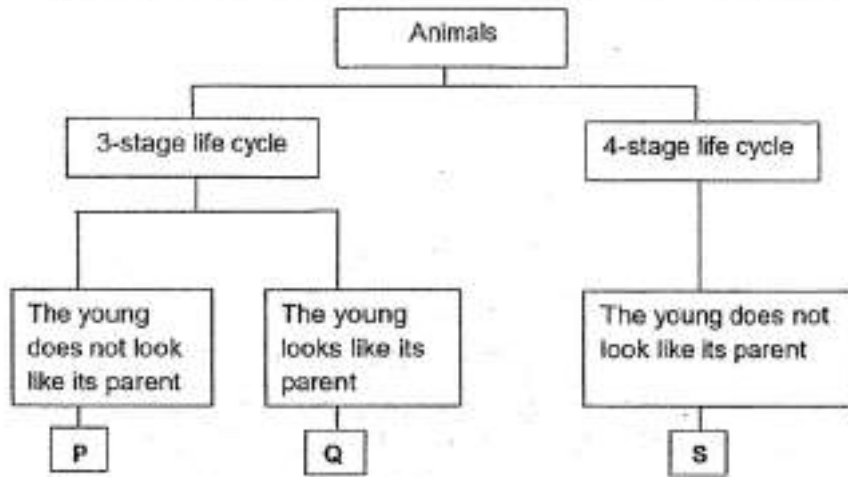
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## Question 16

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the classification chart below. P, Q and S represent 3 different animals.



Which of the following animals represent P, Q and S ?

	P	Q	S
(1)	Frog	Cockroach	Mealworm Beetle
(2)	Grasshopper	Mealworm Beetle	Cockroach
(3)	Frog	Mealworm Beetle	Cockroach
(4)	Grasshopper	Cockroach	Mealworm Beetle

- ✓ A) 1  
B) 2  
C) 3  
D) 4

Question Type: Multiple Choice  
Randomize Answers: No  
Date Added: Tue 29th Sep 2020  
Last Modified: N/A  
QID#: 23,959,572

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## Question 17

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Annie conducted an experiment to find out if the amount of sunlight affected the rate of growth of a plant. She listed the following variables below:

- A: Amount of sunlight  
B: Amount of water  
C: Type of seed  
D: Duration of experiment

Which variables should Annie keep the same in order to conduct a fair test?

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
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**QID#:** 23,959,595

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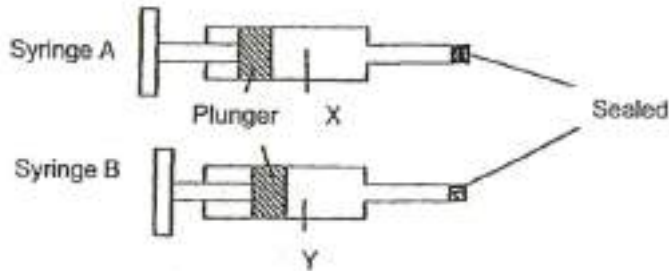
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## Question 18

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Two syringes, A and B, contained substances X and Y respectively. The nozzles of the syringes were sealed. The plunger in syringe A could not be pushed in while the plunger in syringe B could be pushed in slightly as shown in the diagram below.



Which of the following substances are most likely to be X and Y?

	X	Y
(1)	Liquid	Solid
(2)	Gas	Liquid
(3)	Liquid	Gas
(4)	Solid	Liquid

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,604

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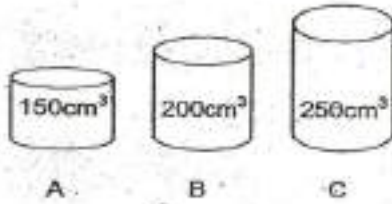
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## Question 19

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Tom wants to transfer  $200\text{cm}^3$  of oxygen into each of the containers A, B and C. Which of the following containers can he use to hold all of the oxygen?



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

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Tue 29th Sep 2020  
 Last Modified: N/A  
 QID#: 23,959,613

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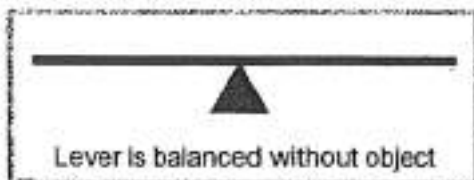
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## Question 20

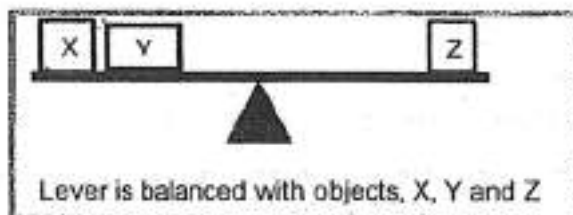
Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Charlie carried out an experiment as shown in the setup below.



He placed objects X, Y and Z on the balance as shown in diagram below.



Which of the following can be concluded from the setup above?

- A) Object X has a greater mass than Object Z
- B) Object Y has a greater mass than Object Z
- C) Object Y has the greatest mass
- ✓ D) Object Z has the greatest mass

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,675

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## Question 21

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which of the following does not have mass?

- A) feather
- ✓ B) lightning
- C) ping pong ball
- D) water

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,682

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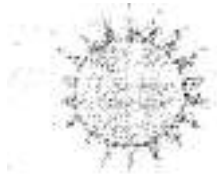
## Question 22

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which of the following is not a source of light?

A)



(1) Sun

B)



(2) Lighted bulb

✓ C)





(3) Mirror

D)



(4) Fire

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Tue 29th Sep 2020  
 Last Modified: N/A  
 QID#: 23,959,701

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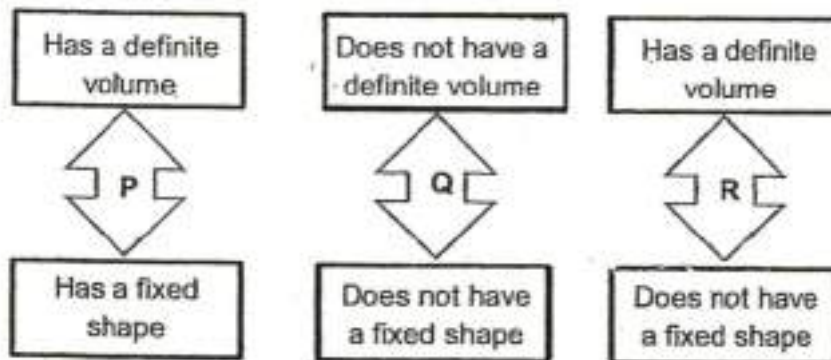
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## Question 23

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the diagram below.



Which of the following could be P, Q and R?

	P	Q	R
(1)	Water	Ice	Sand
(2)	Juice	Oxygen	Water
(3)	Paper	Oxygen	Juice
(4)	Ice	Sand	Oxygen

A) 1

- B) 2  
 ✓ C) 3  
 D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,706

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## Question 24

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The table below shows properties of K, L, M and N.

Properties	K	L	M	N
Has a definite shape				✓
Has a definite volume			✓	✓
Can be seen	✓	✓	✓	✓
Can be compressed		✓		
Can occupy space		✓	✓	✓

Which one, K, L, M or N, is an ice cube?

- A) K  
 B) L  
 C) M  
 ✓ D) N

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,714

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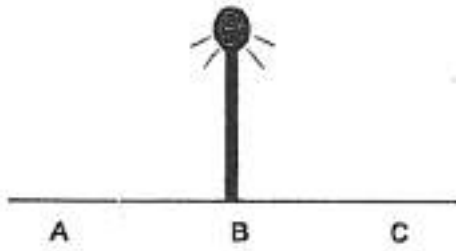
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## Question 25

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

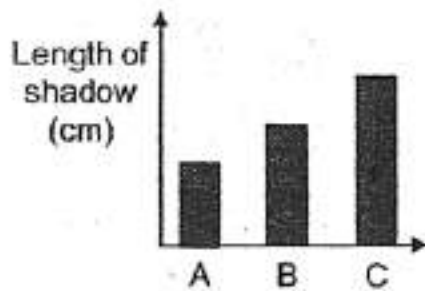
Amy walked past a lighted street lamp from A to C on a dark night.



Which one of the following shows the likely changes in the length of Amy's shadow when she walked past the lighted street lamp from A to C?

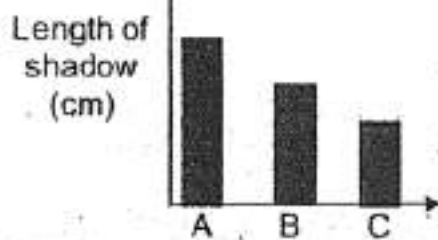
A)

(1)



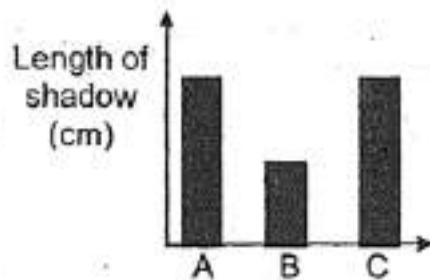
B)

(2)

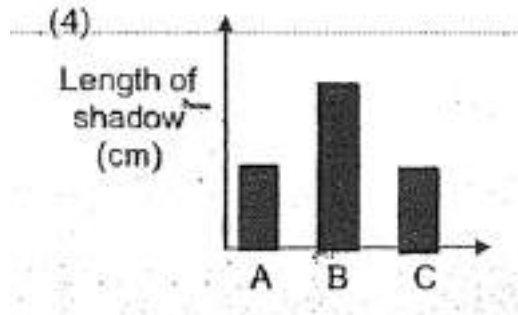


✓ C)

(3)



D)



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
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## Question 26

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.

Study the 2 animals below.



Animal A



Animal B

Based on what you can see only, state two differences between the two animals. (2m)

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,750

#### Correctly answered feedback

Any 2 of the following:

Animal A has 8 legs but Animal B has 6 legs.

OR

Animal A does not have a pair of wings but Animal B has a pair of wings

OR

Animal A has 2 main body parts/segments but Animal B has 3 main body parts/segments.

#### Incorrectly answered feedback

Any 2 of the following:

Animal A has 8 legs but Animal B has 6 legs.

OR  
Animal A does not have a pair of wings but Animal B has a pair of wings  
OR  
Animal A has 2 main body parts/segments but Animal B has 3 main body parts/segments.

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

[Remove From Test](#)

## Question 27

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Study the animal below and compare it to Animals A and B.



Animal C

Which animal, A or B, is Animal C more similar to? Explain your answer. (1m)

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,759

### Correctly answered feedback

Animal B because Animal C has 6 legs/ a pair of wings like animal B.

### Incorrectly answered feedback

Animal B because Animal C has 6 legs/ a pair of wings like animal B.

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

[Remove From Test](#)

## Question 28

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

State one similarity between the life cycle of a grasshopper and a cockroach

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,767

### Correctly answered feedback

Both lay eggs on land OR Both have a 3-stage life cycle

### Incorrectly answered feedback

Both lay eggs on land OR Both have a 3-stage life cycle

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

[Remove From Test](#)

## Question 29

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Study the characteristics of the four living organisms, D, E, F and G, shown below.

Characteristics	Living organisms			
	D	E	F	G
Found on land	✓		✓	✓
Bear flowers	✓	✓		
Reproduce from spores				✓

Describe Organism D. (1m)

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,796

**Correctly answered feedback**

D is found on land and bears flowers (and do not reproduce more spores)

**Incorrectly answered feedback**

D is found on land and bears flowers (and do not reproduce more spores)

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

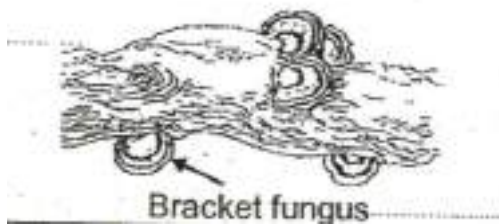
[Remove From Test](#)

## Question 30

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Based on the characteristics of the four living organisms above, match the letters to the ones shown below.



- A) D
- B) E
- C) F
- ✓ D) G

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,820

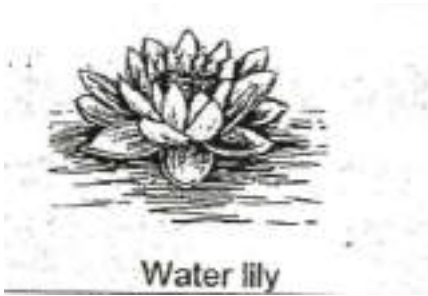
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

## Question 31

Primary 4 Science » Primary 4 Science (Term 2)

1 pt



- A) D  
 ✓ B) E  
 C) F  
 D) G

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,829

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

[Remove From Test](#)

## Question 32

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Based on the characteristics in the table above, state a difference between bracket fungus and water lily.

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,856

**Correctly answered feedback**

The bracket fungus reproduces from spores while the water lily reproduces from seeds.

OR

The bracket fungus is found on land but the water lily is not found on land/is found in water

**Incorrectly answered feedback**

The bracket fungus reproduces from spores while the water lily reproduces from seeds.

OR

The bracket fungus is found on land but the water lily is not found on land/is found in water

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

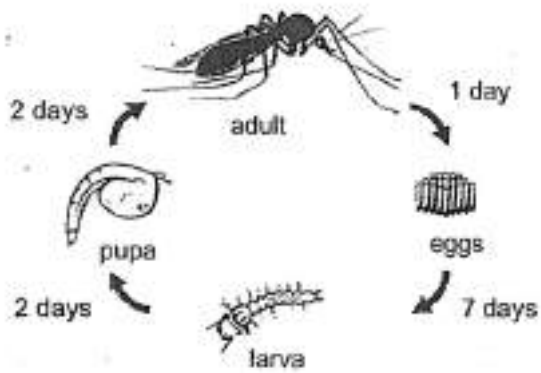
[Remove From Test](#)

## Question 33

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

The diagram below shows a detailed life cycle of a mosquito.



State a similarity between the life cycle of a mosquito and a frog. (1m)

---

Which stage(s) of the life cycle of the mosquito is/are found in water? (1m)

---

How long does it take for the mosquito to become an adult after the egg is laid? (1m)

---

Give one reason why getting rid of stagnant water will reduce the number of mosquitoes. (1m)

Question Type: Essay  
 Date Added: Tue 29th Sep 2020  
 Last Modified: N/A  
 QID#: 23,959,896

Correctly answered feedback



a	Both lay eggs in water. OR Both spend part of their life cycles in water (and part of their life cycles on land).
b	Egg, larva, pupa
c	11 days
f	Adult female mosquitoes lay eggs in stagnant water so getting rid of stagnant water means that they have no place to lay eggs, thus reducing the number of mosquitoes.

*Incorrectly answered feedback*

a	Both lay eggs in water. OR Both spend part of their life cycles in water (and part of their life cycles on land).
b	Egg, larva, pupa
c	11 days
f	Adult female mosquitoes lay eggs in stagnant water so getting rid of stagnant water means that they have no place to lay eggs, thus reducing the number of mosquitoes.

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

[Remove From Test](#)

### Question 34

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Study the set-up below. When a torch is switched on, a shadow is formed on the screen.



Draw the shadow of the object on the screen provided below. (1m)



Type

"done" to proceed to the next question

Question Type: Essay  
Date Added: Tue 29th Sep 2020  
Last Modified: N/A  
QID#: 23,959,917

Correctly answered feedback



Incorrectly answered feedback



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

[Remove From Test](#)

### Question 35

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Without moving the torch, state 2 ways that will cause a smaller shadow to be formed on the screen.

Question Type: Essay  
Date Added: Tue 29th Sep 2020  
Last Modified: N/A  
QID#: 23,959,945

**Correctly answered feedback**

Any two of the following:

Move the screen nearer to the object

OR

Move the object nearer to the screen

OR

Move the object further away from the torch

**Incorrectly answered feedback**

Any two of the following:

Move the screen nearer to the object

OR

Move the object nearer to the screen

OR

Move the object further away from the torch

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

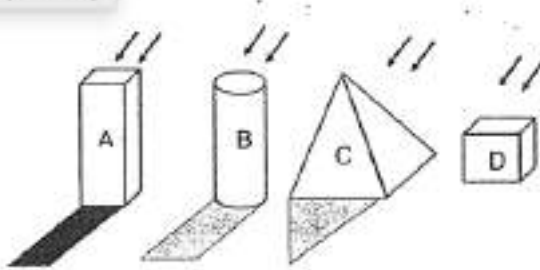
[Remove From Test](#)

**Question 36**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

John placed four objects, A, B, C and D on the floor in a dark room. He shone a torchlight on the objects and recorded his observations of the shadows in the table below.



Based on the above observations, classify the four objects, A, B, C and D, in the table below. (2m)

Amount of light allowed to pass through		
Most	Some	None

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,962

**Correctly answered feedback**

Amount of light allowed to pass through		
Most	Some	None
D	B and C	A

*Incorrectly answered feedback*

Amount of light allowed to pass through		
Most	Some	None
D	B and C	A

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

[Remove From Test](#)

### Question 37

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Mervin carried out an experiment on the germination of seeds of two plants, Plant X and Plant Y. The seeds were placed in a room with suitable conditions for germination and the mass of Plants X and Y was recorded over a period of 9 days as shown in the table below.

Plant	Mass of Plant (g)				
	Day 1	Day 3	Day 5	Day 7	Day 9
X	1	0.8	0.6	0.4	0.2
Y	0.4	0.4	0.4	0.6	0.8

Mervin made a mistake in the results of one of the plants. Which plant did he record the results wrongly? (1m)

Plant \_\_\_\_\_

Accepted answers:

- ✓ X
- ✓ Plant X

**Question Type:** Free Text  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,959,979

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

[Remove From Test](#)

## Question 38

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Mervin cut off the seed leaves for both plants X and Y on Day 10 of his experiment. He noticed that both plants still continued to grow healthily. Explain how the plants were still able to survive after the seed leaves were cut off.

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,960,012

### Correctly answered feedback

Plant X and Y had grown green leaves which could make food/ photosynthesize for the plants

### Incorrectly answered feedback

Plant X and Y had grown green leaves which could make food/ photosynthesize for the plants

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

[Remove From Test](#)

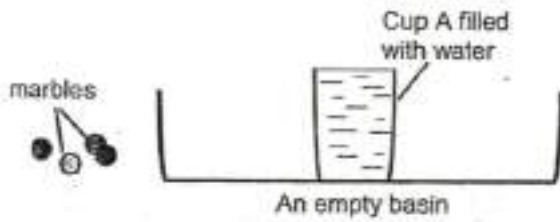
## Question 39

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Jared filled Cup A with water to the brim and placed it in an empty basin.

Jared had some marbles.



Without touching or tilting Cup A and the basin, suggest how Jared can transfer some water from Cup A into the basin. (1m)

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,960,031

**Correctly answered feedback**

Put marbles into cup A

**Incorrectly answered feedback**

Put marbles into cup A

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

[Remove From Test](#)

### Question 40

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Using the method in (i), what does the amount of water transferred into the basin represent?

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,960,049

**Correctly answered feedback**

It represents the volume of the marbles

**Incorrectly answered feedback**

It represents the volume of the marbles

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

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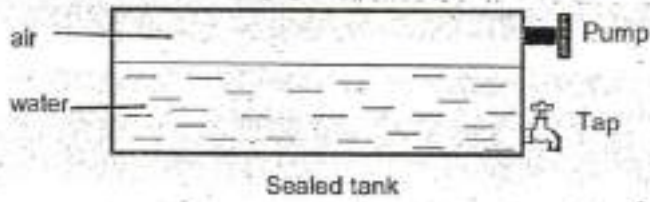
### Question 41

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

The capacity of the tank below is  $300\text{cm}^3$ . It is filled with  $200\text{cm}^3$  of water and  $100\text{cm}^3$  of air.

Jared removed  $50\text{cm}^3$  of water using the tap and then pumped in  $100\text{cm}^3$  of air into the sealed tank.



Complete the table below to indicate the final volume of the water and air in the sealed tank. (2m)

	Before ( $\text{cm}^3$ )	After ( $\text{cm}^3$ )
Air	100	

**Accepted answers:**

- ✓ 150cm<sup>3</sup>
- ✓ 150 cm<sup>3</sup>
- ✓ 150
- ✓ Air: 150cm<sup>3</sup>

**Question Type:** Free Text  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,960,092

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

[Remove From Test](#)

## Question 42

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Water	200	
-------	-----	--

**Accepted answers:**

- ✓ water: 150cm<sup>3</sup>
- ✓ 150cm<sup>3</sup>
- ✓ 150 cm<sup>3</sup>
- ✓ 150

**Question Type:** Free Text  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,960,109

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

[Remove From Test](#)

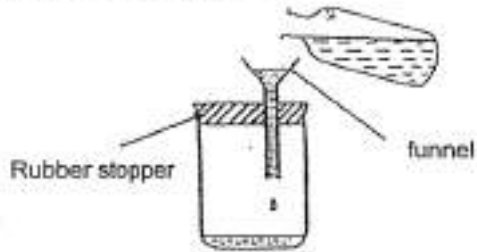


## Question 43

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Ken set up the experiment as shown below. He observed that water dripped into the beaker at a very slow rate.



Give a reason why the water drips into the beaker so slowly. (1m)

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,960,127

**Correctly answered feedback**

Air in the beaker occupies spaces and cannot escape.

**Incorrectly answered feedback**

Air in the beaker occupies spaces and cannot escape.

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

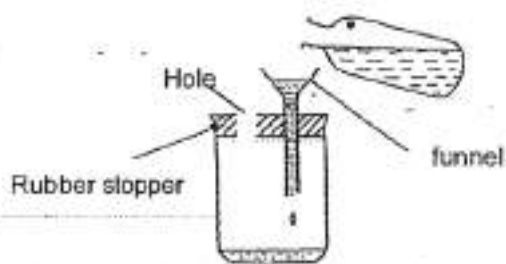
[Remove From Test](#)

## Question 44

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Ken made a hole in the stopper as shown below.



Ken noticed that the water can flow faster after making a hole in the rubber stopper. Explain why the water can flow faster. (2m)

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,960,145

**Correctly answered feedback**

Air in the beaker can escape through the hole and water can flow in to take the space previously occupied by air

**Incorrectly answered feedback**

Air in the beaker can escape through the hole and water can flow in to take the space previously occupied by air

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

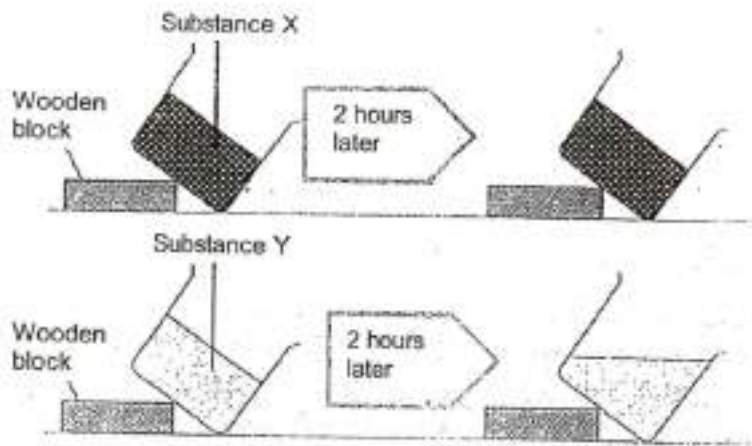
[Remove From Test](#)

## Question 45

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Jamie set up an experiment in the classroom as shown below. She tilted the 2 beakers and observed the shape of Substances X and Y.



Based on the diagram above, what is the state of Substances X and Y after 2 hours? (2m)

Substance X: \_\_\_\_\_

**Accepted answers:**

- ✓ Solid
- ✓ Substance X: solid

**Question Type:** Free Text  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** Tue 29th Sep 2020  
**QID#:** 23,960,163

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

[Remove From Test](#)

## Question 46

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Substance Y: \_\_\_\_\_

**Accepted answers:**

- ✓ Substance Y: Liquid
- ✓ liquid

**Question Type:** Free Text  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,960,171

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

[Remove From Test](#)

## Question 47

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Explain your answer in (a)

**Question Type:** Essay  
**Date Added:** Tue 29th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,960,198

### Correctly answered feedback

**Substance X** keeps its shape when the beaker is tilted. This shows that it has a **definite shape** which is a property of solids.  
**Substance Y** does not keep its shape when the beaker is tilted. This shows that it has **no definite shape** which is a property of liquids.  
*(Substance X and Y must be mentioned in the answer.)*

### Incorrectly answered feedback

**Substance X** keeps its shape when the beaker is tilted. This shows that it has a **definite shape** which is a property of solids.  
**Substance Y** does not keep its shape when the beaker is tilted. This shows that it has **no definite shape** which is a property of liquids.  
*(Substance X and Y must be mentioned in the answer.)*

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

[Remove From Test](#)