

## Primary 4 - Term 2 (SA1) Science (Rosyth)

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### Test Introduction

[+ Add Introduction](#)**61 Questions** (72 Points)Question Bank: 19,950 Questions 

Test Questions

1 Test Assignment

### Question 1

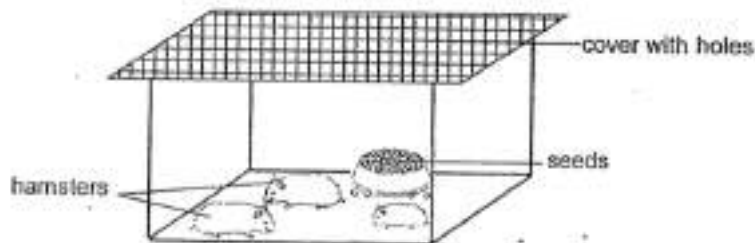
Primary 4 Science » Primary 4 Science (Term 2)

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.

Jane observed some hamsters in the set-up shown below.



After one week, the hamsters were dead. Which one of the following is most likely to be the reason why the hamsters were dead?

- A) There was no water
- B) There was not enough air
- C) There was not enough space
- D) There was not enough sunlight

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,980,991

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### Question 2

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the pictures below.



How is the bird's nest fern different from the mushroom?

	Bird's nest fern	Mushroom
(1)	Fungi	Plant
(2)	No flowers	Has flowers
(3)	Reproduces by seeds	Reproduces by spores
(4)	Needs sunlight to grow	Does not need sunlight to grow

- A) 1  
 B) 2  
 C) 3  
 ✓ D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,980,997

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### Question 3

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Samy found an unknown organism X in his garden.



Organism X

His mother said that the organism was an insect. In order to find out if Organism X is an insect, which one of the following should he carry out?

- A : Measure the length of its body.  
 B : Look for the presence of wings.  
 C : Count the number of legs it has.  
 D : Count the number of body parts it has.
- A) A and B only  
 B) A and D only  
 C) B and C only  
 ✓ D) C and D only

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,011

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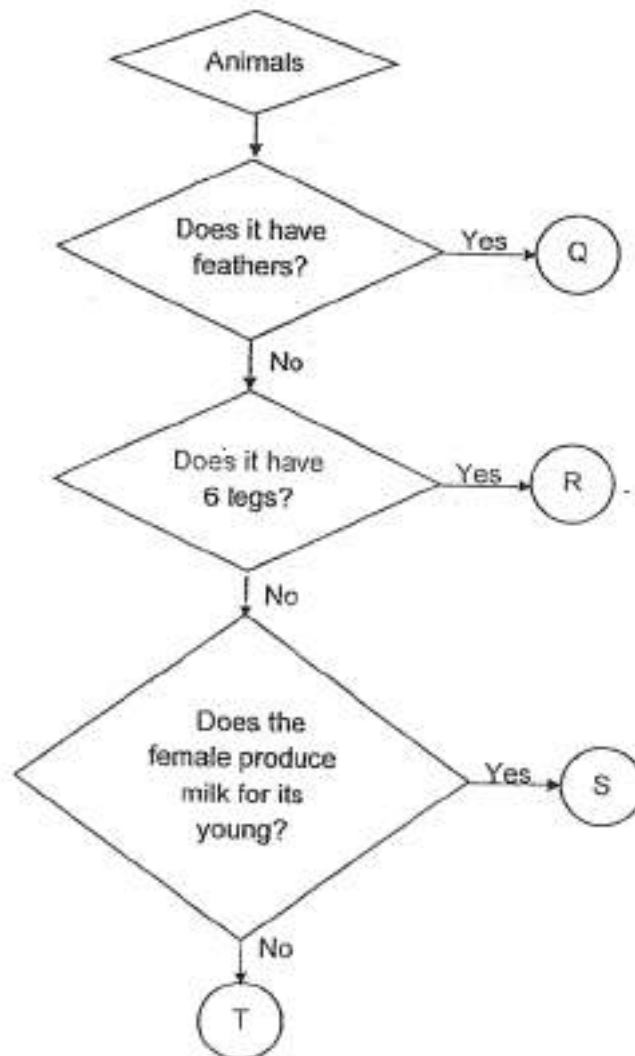
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## Question 4

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the flowchart below.



Based on the flowchart above, which of the following best describes a cat?

- A) Q
- B) R
- ✓ C) S
- D) T

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,020

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## Question 5

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

A car manufacturer had to decide on the best material to make the different parts of the car.



Which one of the following is the best material to make the tyres of the car?

- A) glass
- B) metal
- ✓ C) rubber
- D) plastic

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,030

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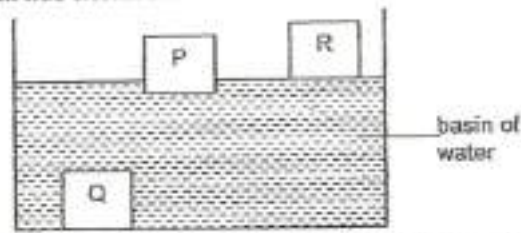
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## Question 6

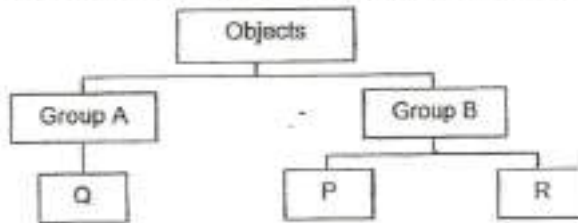
Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Xinyi conducted a test using 3 objects, P, Q and R that were made of different materials. The result was shown below.



Based on the result, she classified the objects in the classification chart below.



Which one of the following best describes the property represented by Group A and B respectively?

	Group A	Group B
(1)	weak	strong
(2)	waterproof	not waterproof
(3)	flexible	stiff
(4)	sinks in water	floats on water

- A) 1  
 B) 2  
 C) 3  
 ✓ D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,037

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## Question 7

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The table below describes the stages of life cycles of four animals.

Description	Animal A	Animal B	Animal C	Animal D
There are 4 stages in its life cycle.	No	No	Yes	Yes
The adult lays eggs on land.	Yes	No	Yes	No
The young resembles the adult.	Yes	No	No	No

Based on the information in the table above, which of the animals best describes a mealworm beetle?

- A) Animal A

- B) Animal B  
 ✓ C) Animal C  
 D) Animal D

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,044

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## Question 8

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The pictures below show the adult frog and its young.



Young



Adult

The statements below describe the young and adult of the frog.

- A : The young does not resemble the adult.  
 B : Both the young and the adult have a tail.  
 C : The adult has legs but the young does not.

Which of the above statements are correct?

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,052

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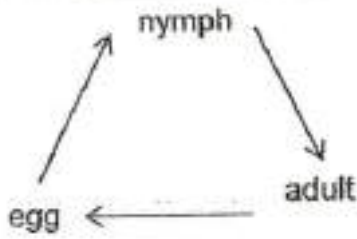
## Question 9

Primary 4 Science » Primary 4 Science (Term 2)

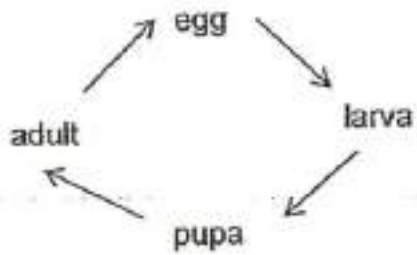
2 pts

Look at the diagrams below. Which life cycle is not correct?x

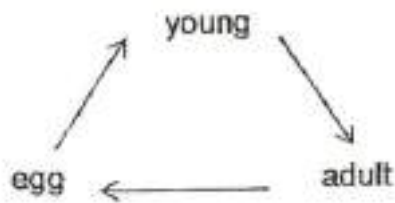
A)

Life Cycle of Cockroach

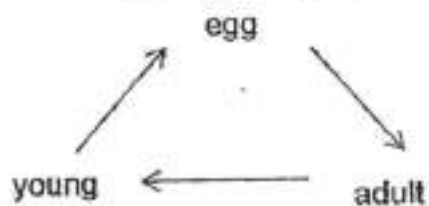
B)

Life Cycle of Mosquito

C)

Life Cycle of Frog

✓ D)

Life Cycle of Fish

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Wed 30th Sep 2020  
 Last Modified: N/A  
 QID#: 23,981,067

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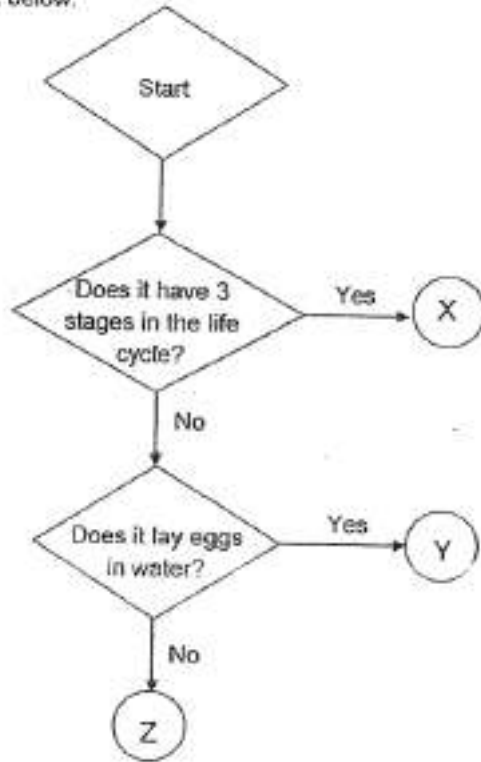
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**Question 10**

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the flowchart below.



Based on the flowchart, which of the above letters best represents the mealworm beetle and mosquito?

	Mealworm beetle	Mosquito
(1)	Z	X
(2)	Y	X
(3)	X	Z
(4)	Z	Y

- A) 1  
 B) 2  
 C) 3  
 ✓ D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,074

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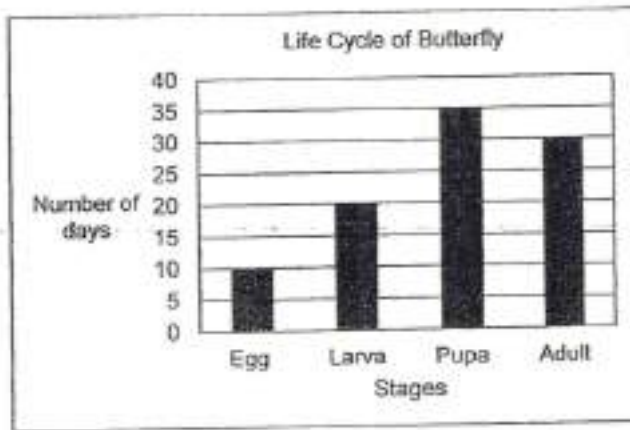
## Question 11

Primary 4 Science » Primary 4 Science (Term 2)

2 pts



Kelly observed the different stages of the life cycle of a butterfly. She then plotted her observation in the chart below.



How many days would it take for the young to become an adult butterfly after the egg has hatched?

- A) 10 days
- B) 20 days
- C) 35 days
- ✓ D) 55 days

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,082

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## Question 12

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram shows a plant.



Some students made some comments on the plant after observing it. Which statement is not correct?

- A) It is an adult plant as it has flowers and fruits
- ✓ B) The plant gets food from its seed leaves at this stage
- C) The roots grow downwards so that the plant can get water
- D) The stem grows upwards for the plant to get as much sunlight as possible

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,098

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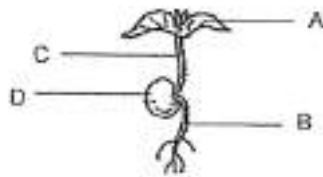
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## Question 13

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows a seedling. The parts A, B, C and D have been labelled. Refer to the diagram to answer both questions 13 and 14.



Which part of the seedling grows first during germination?

- A) A
- ✓ B) B
- C) C
- D) D

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
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## Question 14

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which of the following describes the function of the parts of the seedling correctly?

	Absorbs water	Makes food
(1)	A	B
(2)	D	C
(3)	C	D
(4)	B	A

- A) 1
- B) 2
- C) 3
- ✓ D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,122

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## Question 15

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Jensen wants to carry out an experiment to find out if more water causes a plant to grow taller. Some of the variables of the experiment are listed below.

- A: type of plant
- B: amount of water
- C: location where the plants are placed
- D: height of the plants before the experiment

Which of the variables should he keep the same to ensure that the experiment is fair?

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,147

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## Question 16

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The table below describes the properties of P and Q.

P	Q
Has mass	Has no mass
Occupies space	Does not occupy space

Which of the following could Q be?

- A) air
- B) milk
- C) marble
- ✓ D) sound

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,157

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## Question 17

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The picture below shows a bag of flour and a bag of sugar.



Which one of the following statements is true?

- A) The bag of sugar is lighter than the bag of flour
- B) The bag of sugar is heavier than the bag of flour
- ✓ C) The bag of sugar has the same mass as the bag of flour
- D) The bag of sugar has the same volume as the bag of flour

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,178

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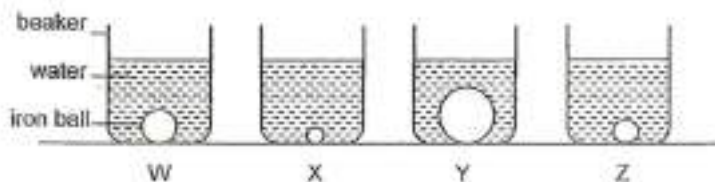
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## Question 18

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Zul placed iron balls of different sizes in each of the 4 glass containers, W, X, Y and Z. Then, he poured water into each container until the water level in all the containers has reached the same height, as shown below.



In which of the following glass containers did Zul pour the most amount of water?

- A) W
- ✓ B) X
- C) Y
- D) Z

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,190

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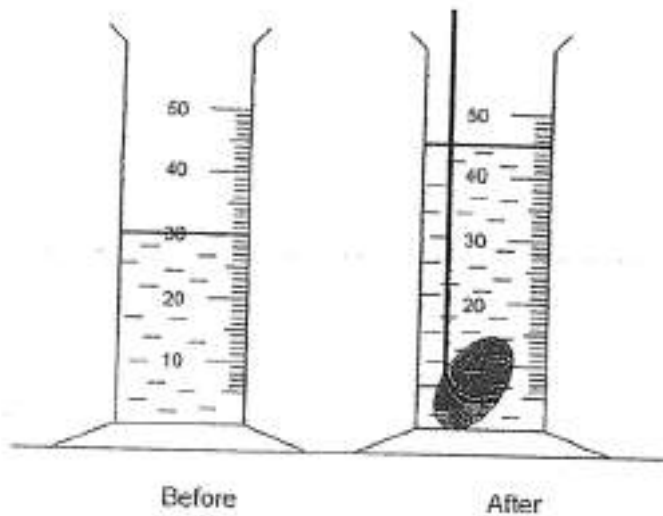
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## Question 19

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Zi Ting added a pebble into a measuring cylinder containing 30ml of water as shown below.



What is the volume of the pebble?

- A) 5cm<sup>3</sup>
- B) 10cm<sup>3</sup>
- ✓ C) 15cm<sup>3</sup>
- D) 20cm<sup>3</sup>

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,207

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## Question 20

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The following apparatus are found in the laboratory.



Container A  
with capacity  
of  $100\text{cm}^3$



Container B  
with capacity  
of  $120\text{cm}^3$



Container C  
with capacity  
of  $150\text{cm}^3$

Which container can contain  $130\text{cm}^3$  of air?

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,219

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## Question 21

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The table shows some matter classified into 2 groups.

Group X	Group Y
Smoke	Flag
Oxygen	Table
Carbon dioxide	Computer

Which of the following correctly identifies the different properties of matter in the table above?

	Group X		Group Y	
	Definite shape	Definite volume	Definite shape	Definite volume
(1)	No	No	Yes	Yes
(2)	Yes	No	No	No
(3)	Yes	Yes	No	Yes
(4)	No	No	Yes	No

- ✓ A) 1
- B) 2
- C) 3
- D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
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**QID#:** 23,981,228

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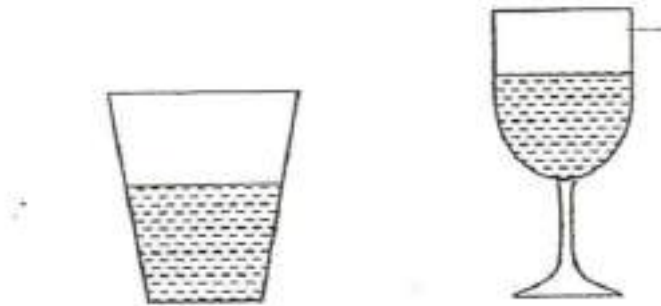
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## Question 22

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram shows two different glasses with 500ml of water.



Which property of water does this show?

- A) Water has mass
- B) Water has a definite volume
- C) Water cannot be compressed
- ✓ D) Water does not have a definite shape

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,243

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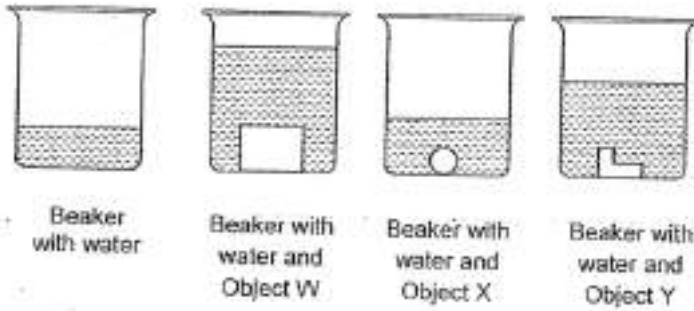
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## Question 23

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Charis placed 3 objects, one at a time into a beaker of water as shown in the diagram below.



Based on her observations, she made the following conclusions. Which statement is correct?

- A) Object X has the smallest mass
- ✓ B) Object W has the biggest volume
- C) Object W has a bigger mass than Object Y
- D) Object Y has a smaller volume than Object X

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
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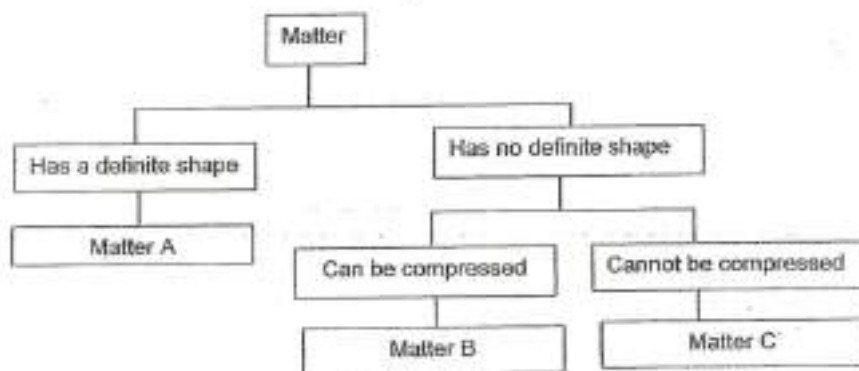
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## Question 24

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the classification table below.



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

	Matter A	Matter B	Matter C
(1)	syrup	juice	television
(2)	television	smoke	blood
(3)	television	light	syrup
(4)	juice	syrup	light

A) 1



- ✓ B) 2
- C) 3
- D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,322

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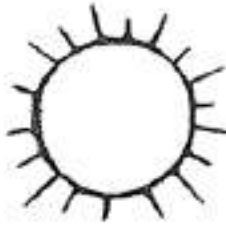
## Question 25

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which one of the following is a source of light?

✓ A)



The sun

B)



The moon

C)



A diamond ring

D)



A mirror

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,339

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

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## Question 26

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

A datalogger was placed on a table facing the window. The table below shows how the intensity of light changes with time.

Time (minutes)	Intensity of light (lux)
0	240
1	242
2	245
3	560
4	573

Which of the following statements is/are possible explanation(s) for the sudden change in light intensity after 2 minutes?

- P : Light was turned on
- Q : Light was turned off
- R : Sunlight came into the room
- S : The curtains were fully closed

- A) P only
- ✓ B) P and R only
- C) Q and S only
- D) P, R and S only

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
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**QID#:** 23,981,350

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## Question 27

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Mala used some materials to conduct an experiment to find the amount of light that passed through the materials. She classified the materials in the table below.

A	B	C
Clear glass	Tracing paper	Book
Clear plastic	Mirror	Cardboard

Based on the table above, which of the following materials was classified wrongly?

- A) book
- ✓ B) mirror
- C) cardboard
- D) clear plastic

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,360

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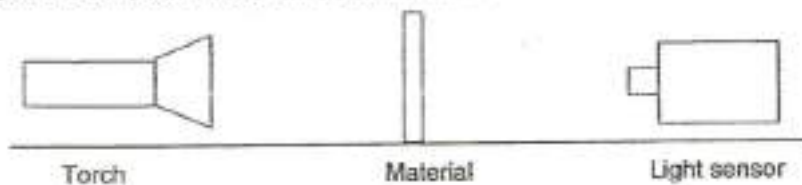
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## Question 28

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Amy set up an experiment as shown below. She wanted to find out the amount of light that can pass through different materials.



She recorded the results as shown in the table below.

Material	Amount of light measured by light sensor
A	8
B	10
C	2
D	6

Which material should be used to make a curtain that can keep the room the darkest?

- A) A
- B) B
- ✓ C) C
- D) D

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,367

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## Question 29

Primary 4 Science » Primary 4 Science (Term 2)

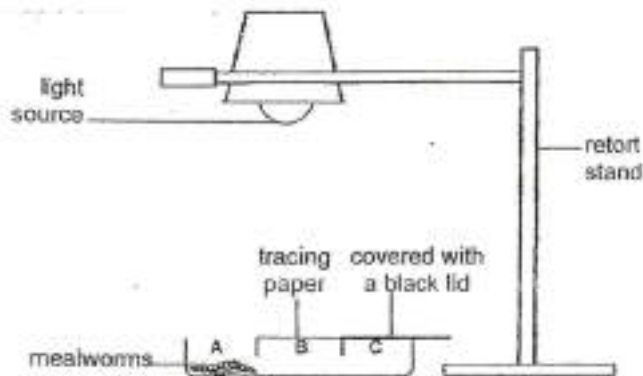
1 pt

### 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.

Weiming learnt that mealworms prefer dark places. He decided to carry out an experiment as shown below. He placed some mealworms in a partially covered box. He then switched on the light source and observed the mealworms for 30 minutes.



In which position, A, B or C, will the mealworms most likely be in after 30 minutes?

[1]

- A) A  
 B) B  
 ✓ C) C

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,378

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## Question 30

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Based on Weiming's observation, state 2 characteristics of the living things that the mealworms showed.

**Question Type:** Essay  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,389

**Correctly answered feedback**

- i) Living things respond to changes
- ii) Living things move by themselves

**Incorrectly answered feedback**

- i) Living things respond to changes
- ii) Living things move by themselves

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

[Remove From Test](#)

**Question 31**

Primary 4 Science » Primary 4 Science (Term 2)

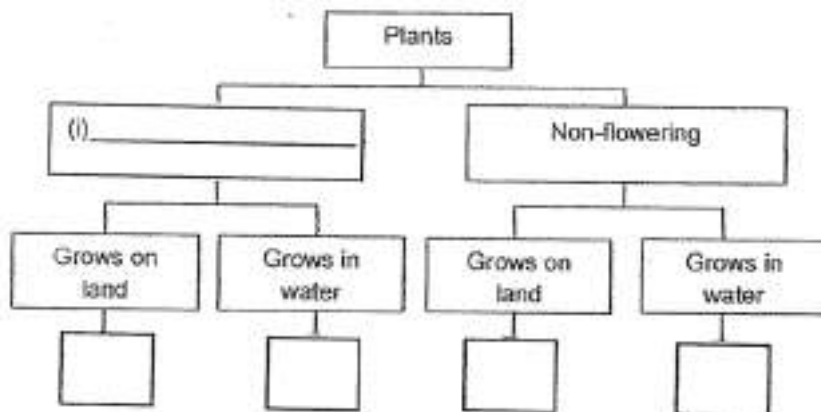
1 pt

The table below shows the characteristics of four plants, P, Q, R and S.

Characteristics	P	Q	R	S
Bear fruits		✓		✓
Grows on land			✓	✓
Grows in water	✓	✓		

The heading for part (i) in the classification chart below is missing. Fill in the blank with the correct heading.

[1]

**Accepted answers:**

✓ flowering

**Question Type:** Free Text  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,402

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

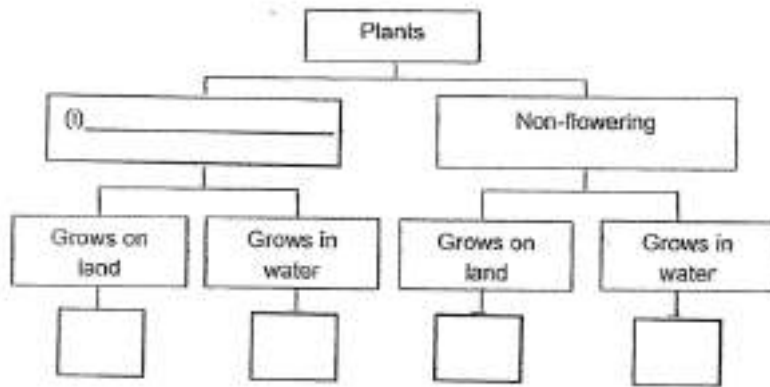
[Remove From Test](#)

**Question 32**

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Classify the four plants in the chart below by writing P, Q, R and S in the correct boxes. [2]



Accepted answers:

- ✓ S Q R P
- ✓ S,Q,R,P
- ✓ S, Q, R, P
- ✓ S , Q , R , P

**Question Type:** Free Text  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,430

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

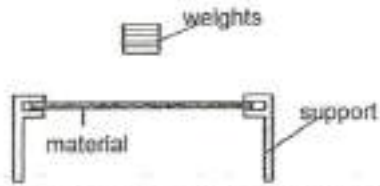
[Remove From Test](#)

## Question 33

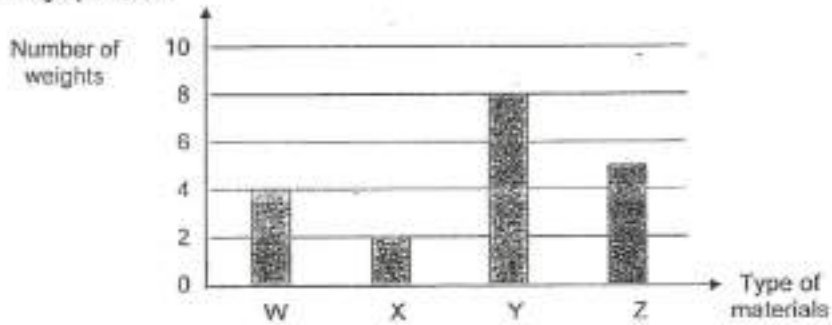
Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

An experiment was conducted to test the strength of four different materials, W, X, Y, and Z. These materials were of the same thickness and length. Weights were released from the same height onto each material as shown below.



The number of weights used before each material broke was recorded in the graph below.



Identify the correct variables and put a '✓' in the correct boxes to make the experiment a fair one.

[2]

Type

of material:

- A) same variable
- ✓ B) changed variable
- C) measure variable

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,452

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

[Remove From Test](#)

## Question 34

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

Length of material:

- ✓ A) same variable
- B) changed variable
- C) measured variable

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,459

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

[Remove From Test](#)

**Question 35**

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

Number of weights

- A) same variable
- B) changed variable
- ✓ C) measured variable

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,464

[↗ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [📌 Used In](#) | [⬇ Reorder](#)

[Remove From Test](#)**Question 36**

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

Height from where the weights were released:

- ✓ A) same variable
- B) changed variable
- C) measured variable

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,476

[↗ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [📌 Used In](#) | [⬇ Reorder](#)

[Remove From Test](#)**Question 37**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Based on the result above, which one of the material (W,X,Y or Z) is the most suitable material to make a table? Give a reason to support your answer.

**Question Type:** Essay  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,493

**Correctly answered feedback**

Material Y, it has the most amount of weights making it the strongest material to make a table

**Incorrectly answered feedback**

Material Y, it has the most amount of weights making it the strongest material to make a table

[↗ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [📌 Used In](#) | [⬇ Reorder](#)

[Remove From Test](#)

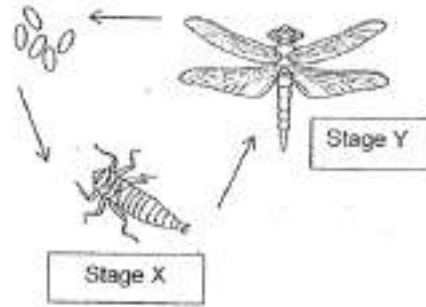


## Question 38

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

The diagram shows the life cycle of animal D.



Name stages X and Y

[1]

Stage X: \_\_\_\_\_

Accepted answers:

✓ Young

*Question Type:* Free Text  
*Date Added:* Wed 30th Sep 2020  
*Last Modified:* N/A  
*QID#:* 23,981,504

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

[Remove From Test](#)

## Question 39

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

Stage Y: \_\_\_\_\_

Accepted answers:

✓ adult

*Question Type:* Free Text  
*Date Added:* Wed 30th Sep 2020  
*Last Modified:* N/A  
*QID#:* 23,981,509

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

[Remove From Test](#)

## Question 40

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

State a difference between stage X and Y

*Question Type:* Essay

Date Added: Wed 30th Sep 2020  
Last Modified: N/A  
QID#: 23,981,526

**Correctly answered feedback**

Stage Y has wings while stage X does not have wings

**Incorrectly answered feedback**

Stage Y has wings while stage X does not have wings

Answers | Edit | Duplicate | Used In | Reorder

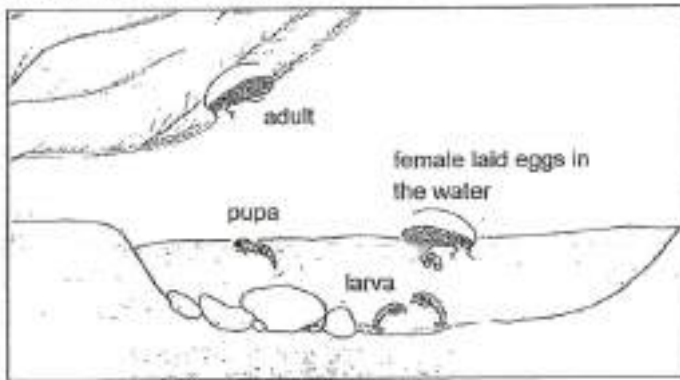
Remove From Test

### Question 41

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

A diagram of the life cycle of animal C is shown below.



Draw the life cycle of the animal C in the space below.

[1]

Please type "done" to proceed to the next question

Question Type: Essay  
Date Added: Wed 30th Sep 2020  
Last Modified: N/A  
QID#: 23,981,551

**Correctly answered feedback**

egg, larva, pupa, adult

**Incorrectly answered feedback**

egg, larva, pupa, adult

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

## Question 42

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Name another animal which has a similar life cycle to animal C

### Accepted answers:

✓ butterfly

**Question Type:** Free Text  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,566

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

## Question 43

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

The female of animal C often lays many eggs at one time. Give a reason for this

**Question Type:** Essay  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,579

### Correctly answered feedback

If an egg is to be eaten by a predator, the rest of the eggs can still hatch and grow into adulthood

### Incorrectly answered feedback

If an egg is to be eaten by a predator, the rest of the eggs can still hatch and grow into adulthood

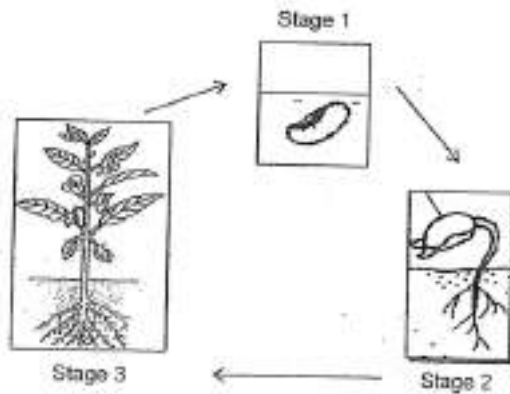
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)

## Question 44

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

The life cycle of a bean plant is shown below.



(d) State two differences between the life cycle of animal C and the bean plant. (Do not compare the size and shape.) [2]

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

**Question Type:** Essay  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,597

**Correctly answered feedback**

- di) Animal C's lifecycle has 4 stages while the bean plant's lifecycle has 3 stages.  
 dii) Animal C's lifecycle starts with many eggs while the bean plant's lifecycle starts with one seed.

**Incorrectly answered feedback**

- di) Animal C's lifecycle has 4 stages while the bean plant's lifecycle has 3 stages.  
 dii) Animal C's lifecycle starts with many eggs while the bean plant's lifecycle starts with one seed.

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

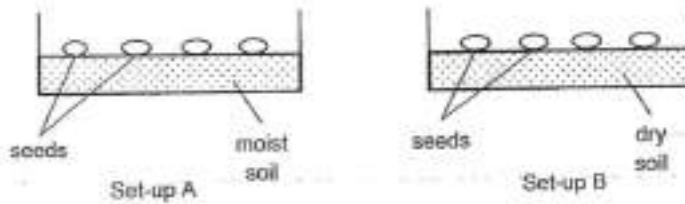
[Remove From Test](#)

## Question 45

Primary 4 Science » Primary 4 Science (Term 2)

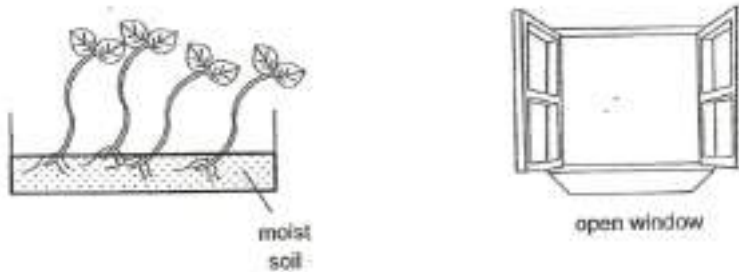
0 pts

Jun Jie set up the following to find out how seeds germinate.



- (a) In which set-up would the seeds most likely germinate after a few days? [1]  
 (i) Explain why. [1]
- 
- (ii) Name two other conditions required for germination to occur. [1]
- 

After a few weeks, the germinated seeds were seen growing towards an open window as shown in the diagram below.



- (b) Why were the seedlings growing in the direction shown? [1]

Question Type: Essay  
 Date Added: Wed 30th Sep 2020  
 Last Modified: N/A  
 QID#: 23,981,658

#### Correctly answered feedback

- ai) The seeds in set-up A will germinate after a few days because it has moist soil and a seed needs water to germinate.  
 aii) A seed also needs air and warmth to germinate.  
 b) It is growing towards the window because it needs sunlight to photosynthesis

#### Incorrectly answered feedback

- ai) The seeds in set-up A will germinate after a few days because it has moist soil and a seed needs water to germinate.  
 aii) A seed also needs air and warmth to germinate.  
 b) It is growing towards the window because it needs sunlight to photosynthesis

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

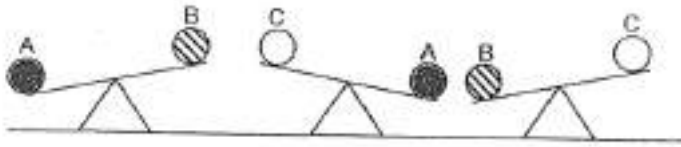
[Remove From Test](#)

## Question 46

Primary 4 Science » Primary 4 Science (Term 2)

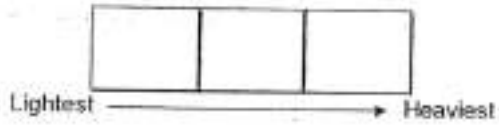
1 pt

Siti weighed three similar sized balls on a beam balance as shown below.



Arrange the balls in order from the lightest to the heaviest.

[1]



Accepted answers:

- ✓ c b a
- ✓ c,b,a
- ✓ c ,b, a
- ✓ c, b, a
- ✓ c , b , a
- ✓ C ,B ,A

**Question Type:** Free Text  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,698

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

[Remove From Test](#)

## Question 47

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

The balls were made of different materials, wood, metal and plastic. Which ball A, B or C is made of plastic?

- A) A
- B) B
- ✓ C) C

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,706

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

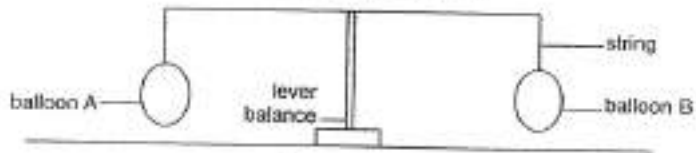
[Remove From Test](#)

## Question 48

Primary 4 Science » Primary 4 Science (Term 2)

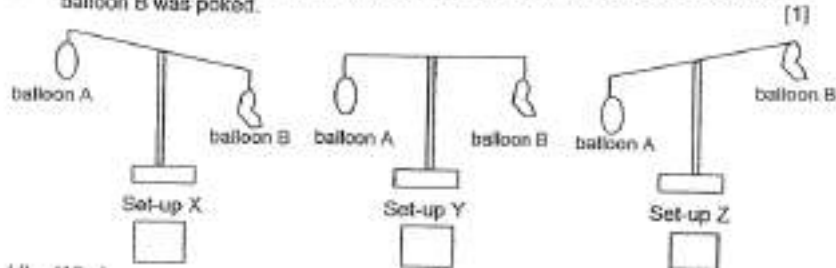
1 pt

Siti then decided to test the mass of two similar balloons, A and B by hanging them on a lever balance as shown below. Both balloons were hung at an equal distance from the centre and the lever was balanced.



Siti then poked balloon B to let the air out.

(c) Tick the correct box below to show how the lever balance would look like after balloon B was poked. [1]



- A) Set-up X  
 B) Set-up Y  
 C) Set-up Z

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,718

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

[Remove From Test](#)

## Question 49

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

What can you conclude about air from the above experiment?

**Question Type:** Essay  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,721

### Correctly answered feedback

Air has mass

### Incorrectly answered feedback

Air has mass

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

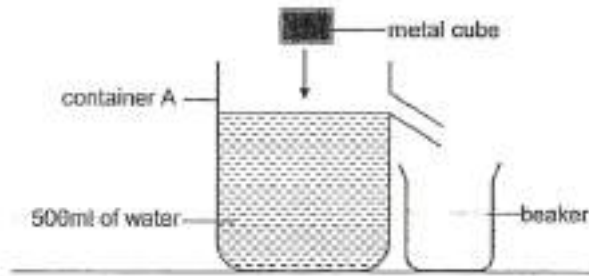
[Remove From Test](#)

## Question 50

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

- i. Kumar filled up container A with 500ml of water as shown below. He then gently lowered a metal cube to the bottom of the container.



- (a) Kumar observed that some water flowed out of container A into the beaker when the metal cube sank in completely. Explain why. [2]
- \_\_\_\_\_
- \_\_\_\_\_
- (b) Kumar was told to measure the amount of water that was collected in the beaker accurately. Which other apparatus could he use to replace the beaker? [1]
- \_\_\_\_\_
- (c) Kumar then decided to use the same method above to measure the volume of a styrofoam cube. Do you think it is possible? Support your answer with a reason. [2]

Question Type: Essay  
 Date Added: Wed 30th Sep 2020  
 Last Modified: N/A  
 QID#: 23,981,732

**Correctly answered feedback**

- a) The metal cube occupied the space which was occupied by the water hence the water had to go into the beaker because the water level increased.
- b) He could use a measuring cylinder.
- c) No, it is not possible because Styrofoam floats on water so it is not able to occupy space in the water.

**Incorrectly answered feedback**

- a) The metal cube occupied the space which was occupied by the water hence the water had to go into the beaker because the water level increased.
- b) He could use a measuring cylinder.
- c) No, it is not possible because Styrofoam floats on water so it is not able to occupy space in the water.

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

[Remove From Test](#)

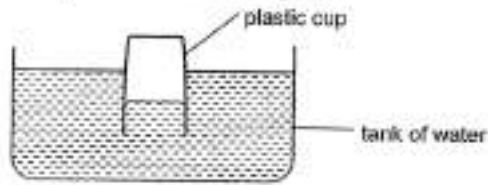
## Question 51

Primary 4 Science » Primary 4 Science (Term 2)

0 pts



1. Fauwaz inverted a plastic cup and lowered it into a tank of water. The water level increased in the plastic cup as shown in the diagram.



- (a) Explain why the water level in the plastic cup was lower than the water level in the tank of water. [2]
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- (b) If Fauwaz pokes a few holes at the bottom of the plastic cup and lowers it into the same tank of water, what will happen to the water level in the plastic cup?
- \_\_\_\_\_
- (c) Give a reason for your answer in (b)

Question Type: Essay  
 Date Added: Wed 30th Sep 2020  
 Last Modified: N/A  
 QID#: 23,981,741

**Correctly answered feedback**

- a) The water level in the plastic cup was lower than the water level in the container because there was air trapped inside the plastic cup. Air in the cup occupies space and there is no opening for air to escape hence only some water can enter to fill the cup.
- b) It will increase.
- c) Air can escape hence water can occupy the space that was occupied by air.

**Incorrectly answered feedback**

- a) The water level in the plastic cup was lower than the water level in the container because there was air trapped inside the plastic cup. Air in the cup occupies space and there is no opening for air to escape hence only some water can enter to fill the cup.
- b) It will increase.
- c) Air can escape hence water can occupy the space that was occupied by air.

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

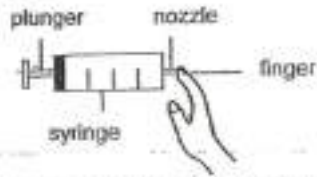
[Remove From Test](#)

## Question 52

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

Jamie had substances X and Y. She drew substance X into the syringe and observed whether the plunger could be pushed in when one end of the syringe is covered with her finger, as seen in the diagram below. She then repeated the experiment with substance Y.



The plunger could be pushed in easily for substance X but could not be pushed in at all for substance Y.

Identify the states of matter of substance X and Y. [1]

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

**Accepted answers:**

✓ gas

**Question Type:** Free Text  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,753

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

[Remove From Test](#)

## Question 53

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

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

**Accepted answers:**

✓ liquid

**Question Type:** Free Text  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,756

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

[Remove From Test](#)

## Question 54

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Explain your answer in (a).

**Question Type:** Essay  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,764

**Correctly answered feedback**

Gases can be compressed while liquids cannot be compressed

**Incorrectly answered feedback**

Gases can be compressed while liquids cannot be compressed

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

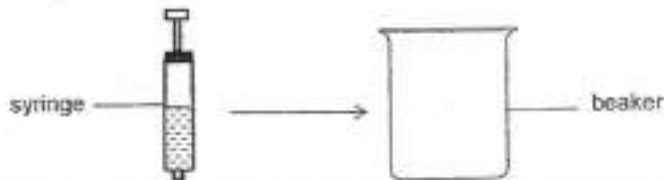
[Remove From Test](#)

## Question 55

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Jamie then drew 50ml of water with the syringe and transferred all the water into an empty beaker as shown in the diagram below.



Did the volume of water in the beaker increase, decrease or remain the same? [1]

- A) increase
- B) decrease
- ✓ C) remain the same

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,771

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

[Remove From Test](#)

## Question 56

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Give a reason for your answer in (c).

**Question Type:** Essay  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,775

**Correctly answered feedback**

Liquids have a definite volume

**Incorrectly answered feedback**

Liquids have a definite volume

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

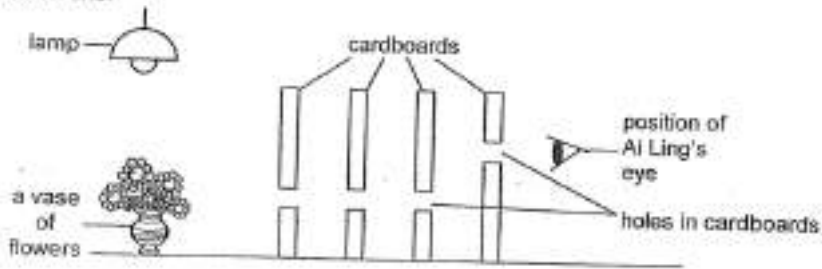
[Remove From Test](#)

## Question 57

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

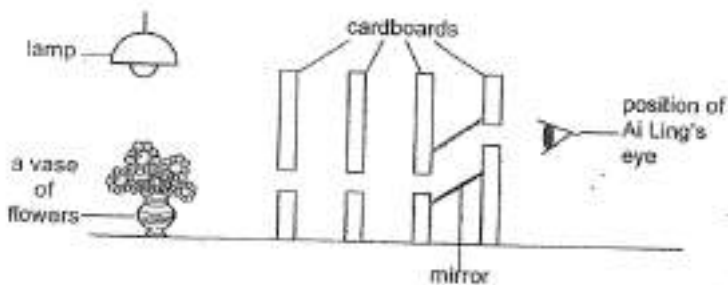
Ai Ling placed four cardboards in a straight line in a well-lit room as shown below. She punched a hole in each of the cardboards. She then placed a vase of flowers at the end of the cardboards and tried to see the vase through the holes from the other end.



- (a) Why was Ai Ling not able to see the vase from the position as shown in the diagram above?

[1]

Ai Ling decided to use 2 mirrors in the same setup to enable her to see the vase as shown below.



- (b) Describe how Ai Ling is able to see the vase.

[2]

- (c) What property of light was Ai Ling trying to show in this experiment?

Question Type: Essay  
 Date Added: Wed 30th Sep 2020  
 Last Modified: N/A  
 QID#: 23,981,784

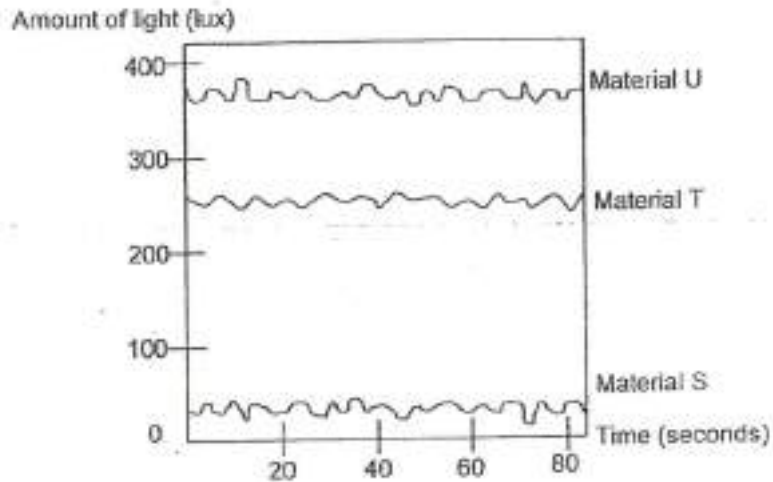
#### Correctly answered feedback

- a) She could not see it because the holes were not aligned.  
 b) Light from the lamp shines on the vase. The vase reflects the light onto the mirror and into Ai Ling's eyes.  
 c) Light travels in a straight line.

#### Incorrectly answered feedback

- a) She could not see it because the holes were not aligned.  
 b) Light from the lamp shines on the vase. The vase reflects the light onto the mirror and into Ai Ling's eyes.  
 c) Light travels in a straight line.

A datalogger was used to measure the amount of light passing through three different materials, S, T and U. The result was recorded as shown below.



Based on the result above, identify the following materials by writing S, T or U accordingly.

Clear glass : Material \_\_\_\_\_

- A) S
- B) T
- ✓ C) U

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,792

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

[Remove From Test](#)

## Question 59

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Cardboard: Materia \_\_\_\_\_

- ✓ A) S
- B) T
- C) U

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,796

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

[Remove From Test](#)

**Question 60**

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Writing paper: Material \_\_\_\_

- A) S  
✓ B) T  
C) U

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,799

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

[Remove From Test](#)**Question 61**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Based on the experiment above, which material S, T or U is suitable to be made into a fish tank?  
Support your choice with a reason

**Question Type:** Essay  
**Date Added:** Wed 30th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,981,810

**Correctly answered feedback**

Material U. It allows the most amount of light to pass through

**Incorrectly answered feedback**

Material U. It allows the most amount of light to pass through

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