

 **Primary 4 - Term 2 (SA1) Science (School SN)** ↗ Duplicate Print Delete Assign Test**Test Introduction**[+ Add Introduction](#)**56 Questions** (66 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.

Four pupils, Amy, Betty, Candy and Demi, made some statements about flowering plants.

All flowering plants reproduce through spores.	All flowering plants have fruits.	Only flowering plants can make food.	Some flowering plants produce fruits that cannot be eaten.
Amy	Betty	Candy	Demi

Which of the pupils made statements that were true?

- A) Amy and Betty only
- B) Amy and Candy only
- ✓ C) Betty and Demi only
- D) Candy and Demi

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,554

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## Question 2

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows the arrangement of the leaves of a plant as seen from the top.



Which one of the following statements best explains how this arrangement of the leaves helps the plant to make more food?

- A) It helps the plant to take in more air
- ✓ B) It helps the plant to take in more light
- C) It helps the plant to absorb more nutrients
- D) It helps the plant to absorb more rainwater

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,575

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## Question 3

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The characteristics of plant A and B are shown in the table below.

Characteristics	Plant A	Plant B
Produces spores	Yes	No
Makes its own food	Yes	Yes
Produces fruits	No	Yes

Which of the following best represents plant A and plant B?

- A) 

Plant A	Plant B
papaya tree	fern
- B) 

bracket fungi	orchid
---------------	--------
- C) 

mushroom	papaya tree
----------	-------------
- ✓ D) 

fern	rose plant
------	------------

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,596

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## Question 4

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Elizabeth found an animal in a park

Which of the following characteristics should she use to identify it as a fish or reptile?

- ✓ A) presence of gills
- B) type of body covering
- C) method of reproduction
- D) whether it produces milk for its young

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,618

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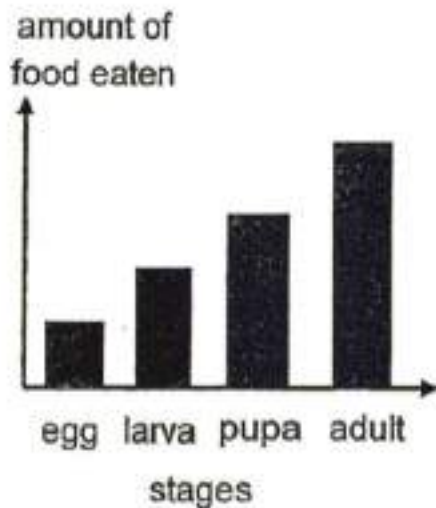
## Question 5

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which one of the following graphs shows the possible amount of food eaten during the different stages in the life cycle of a ladybird?

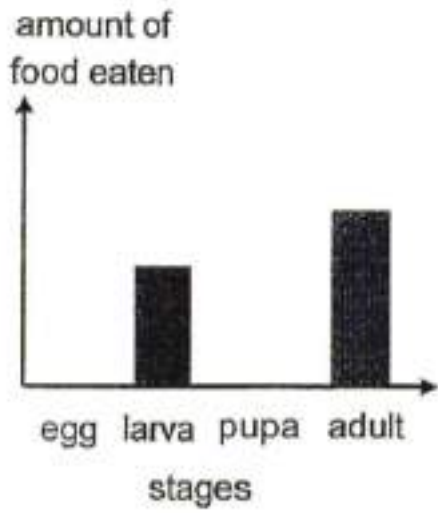
A)



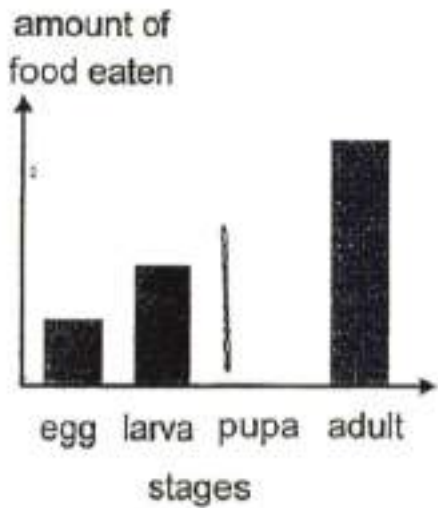
B)



c)



✓ D)



Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Wed 16th Sep 2020  
 Last Modified: N/A  
 QID#: 23,699,652

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## Question 6

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the classification table below.

Group A	Group B
aeroplane	dog
kite	eagle

Which one of the following headings best represents group A and B?

- A) 

Group A	Group B
Can fly	Cannot fly
- B) 

has two legs	has four legs
--------------	---------------
- C) 

can reproduce	cannot reproduce
---------------	------------------
- ✓ D) 

does not need air, water and food	needs air, water and food
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**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,681

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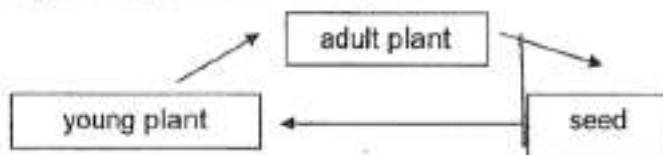
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## Question 7

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The life cycle of a plant is shown below.



Which of the following statements about the plant are true?

- A During germination, the roots appear first.
- B During germination, the shoots appear first.
- C The seed leaf provides food for the germinating seed.
- D The seed needs air, water and sunlight to germinate.

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,696

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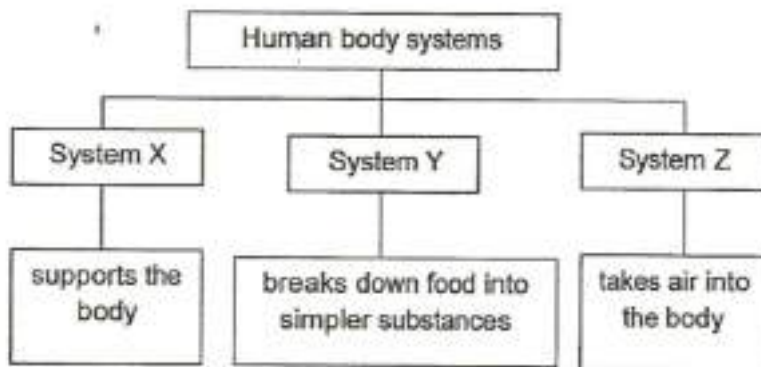
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## Question 8

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the classification chart below.



Which one of the following headings best represents systems X, Y and Z?

	X	Y	Z
(1)	circulatory system	skeletal system	muscular system
(2)	muscular system	circulatory system	skeletal system
(3)	skeletal system	digestive system	respiratory system
(4)	respiratory system	muscular system	digestive system

- A) 1
- B) 2
- ✓ C) 3
- D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,710

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Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which of the following statements about bacterial are true?

- A: Bacteria feed only on dead things
- B: Bacteria cannot make their own food
- C: All bacteria can be seen by the naked eye
- D: Bacteria can be useful or harmful to humans

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

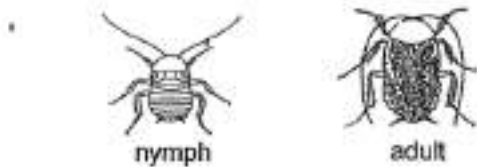
**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,732

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Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows the nymph and adult of a cockroach.



Which of the following statements are true?

- A Both the nymph and the adult can fly.
- B The adult has bigger wings than the nymph.
- C The adult can lay eggs but the nymph cannot.
- D The nymph moults several times but the adult does not.

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A

QID#: 23,699,744

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[Remove From Test](#)**Question 11**

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Which of the following characteristics are commonly found in birds, but not in other animals?

- A: They lay eggs  
 B: They have a beak  
 C: They have feathers on their bodies  
 D: They breathe through their moist skin and lungs

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

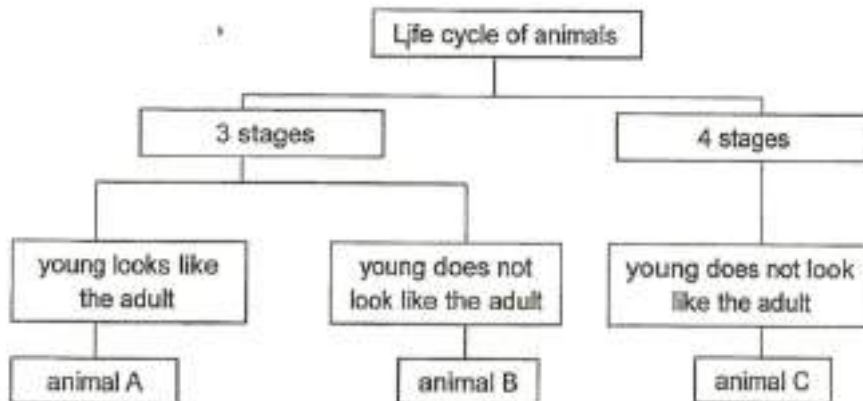
**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,764

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)
[Remove From Test](#)**Question 12**

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the classification chart below.



Which one of the following best represents animals A, B and C?

	Animal A	Animal B	Animal C
(1)	giraffe	grasshopper	butterfly
(2)	dog	frog	beetle
(3)	grasshopper	butterfly	frog
(4)	elephant	cat	butterfly



- A) 1
- ✓ B) 2
- C) 3
- D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,771

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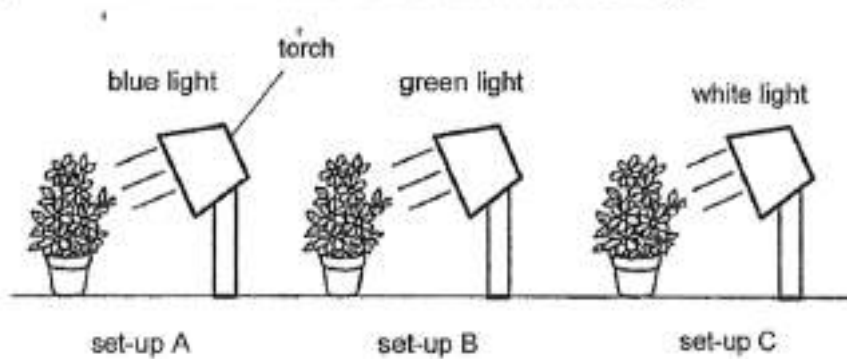
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## Question 13

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Adam placed three similar pots of plants in a dark room as shown below. He gave them the same amount of water and fertiliser each day.



Adam is trying to find out if the \_\_\_\_\_ affects the growth of the plants.

- A) type of fertiliser
- B) amount of water
- C) presence of light
- ✓ D) colour of the light

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,783

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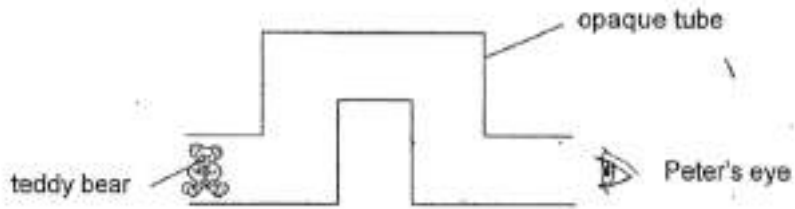
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## Question 14

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the diagram below.



What is the least number of mirrors Peter needs to place in the tube in order to see the teddy bear?

- A) 3
- ✓ B) 4
- C) 5
- D) 6

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,792

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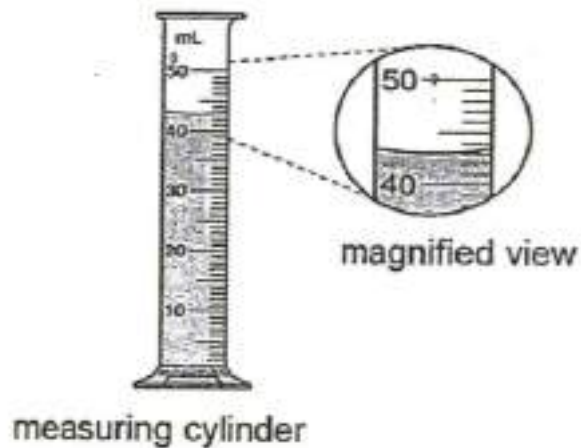
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## Question 15

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Study the diagram below.



What is the volume of liquid in the measuring cylinder?

- ✓ A) 43 ml
- B) 44 ml
- C) 53 ml
- D) 57 ml

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,809

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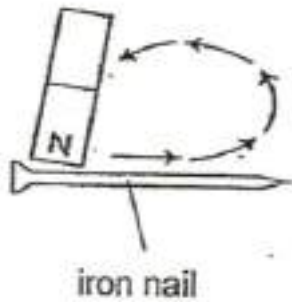
## Question 16

Primary 4 Science » Primary 4 Science (Term 2)

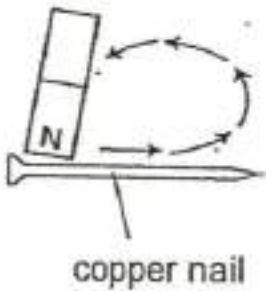
2 pts

Yuki wanted to make a temporary magnet out of the nail. Which one of the following nails will be magnetised?

✓ A)



B)



C)



D)



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,842

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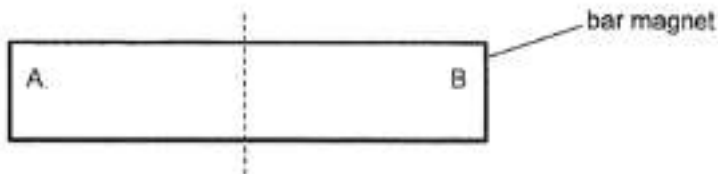
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## Question 17

Primary 4 Science » Primary 4 Science (Term 2)

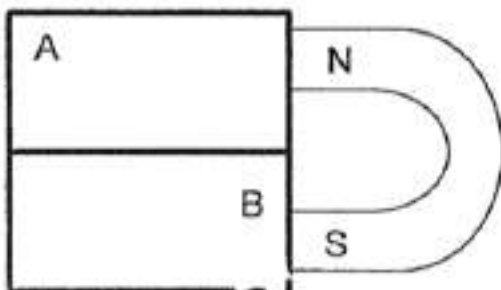
2 pts

- A bar magnet has been cut into two pieces along the dotted line as shown below. A and B represent the two poles of the magnet.

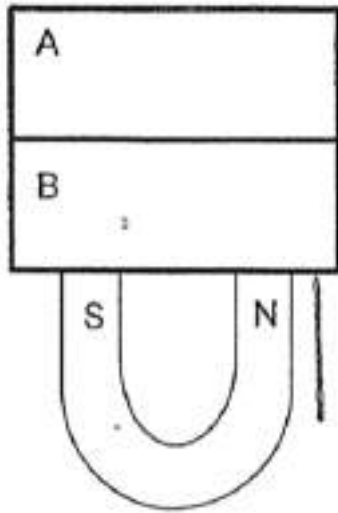


The two pieces of the bar magnet together with a U-shaped magnet are then arranged such that they attract one another. Which one of the following arrangements is possible if A is the north pole of the bar magnet?

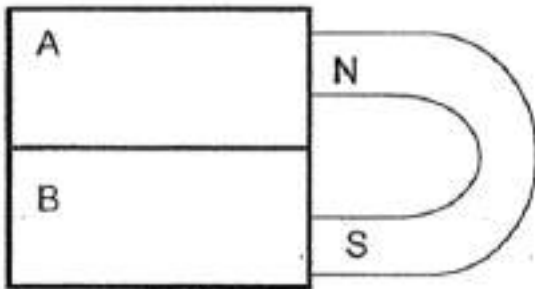
A)



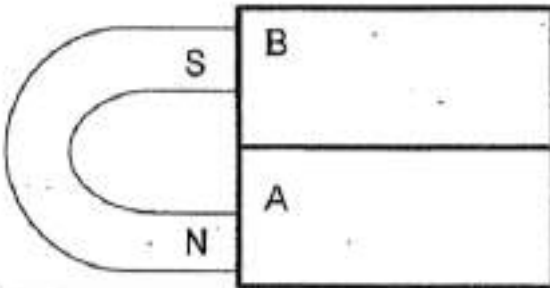
B)



✓ c)



D)



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,871

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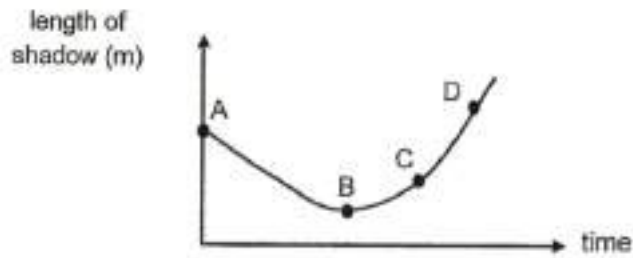
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## Question 18

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The line graph below shows the length of the shadow of a tree at different times of the day.



Which point on the graph A, B, C or D is most likely the length of the shadow of the tree at 12 pm?

- A) A
- ✓ B) B
- C) C
- D) D

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Wed 16th Sep 2020  
 Last Modified: N/A  
 QID#: 23,699,881

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## Question 19

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows a window frame and a window pane.



Which one of the following properties should we consider when choosing suitable materials for making the window frame and the window pane?

	Window frame	Window pane
(1)	waterproof	flexibility
(2)	allows light to pass through	ability to float
(3)	flexibility	strength
(4)	strength	allows light to pass through

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

✓ D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,891

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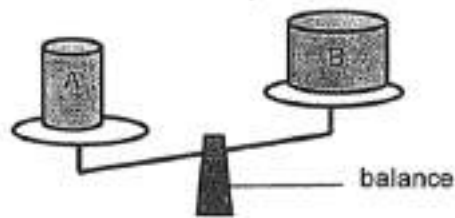
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## Question 20

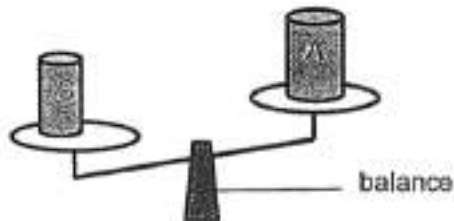
Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Jenny placed objects A and B on a balance. The balance tilted as shown in the diagram below.



She then repeated the experiment by placing objects A and C on the balance. The balance tilted as shown in the diagram below.



Which one of the following statements is true?

- A) A has the least mass
- B) B has the least volume
- ✓ C) C has the greatest mass
- D) B and C have the same volume

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,906

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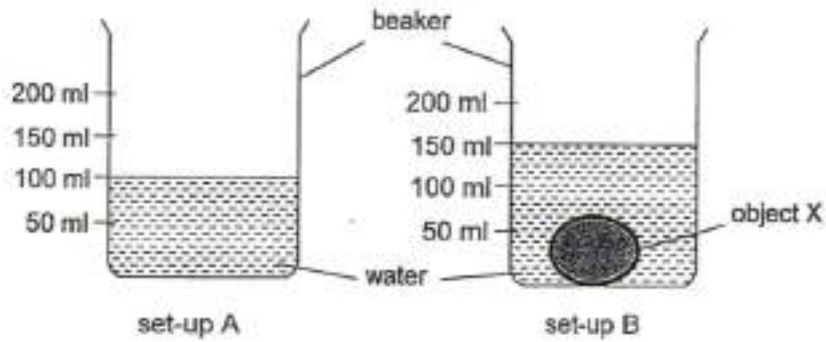
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## Question 21

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Fiona filled a beaker with water as shown in set-up A. She then lowered object X into the beaker and observed that the water level rose as shown in set-up B.



What was she trying to find out from her experiment?

- A) The size of object X
- B) The mass of object X
- ✓ C) The volume of object X
- D) The state of matter of object X

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,928

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## Question 22

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The moon is able to shine at night because it \_\_\_\_

- A) glows in the dark
- B) gives off light of its own
- ✓ C) reflects light from the Sun
- D) reflects light from the Earth

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,943

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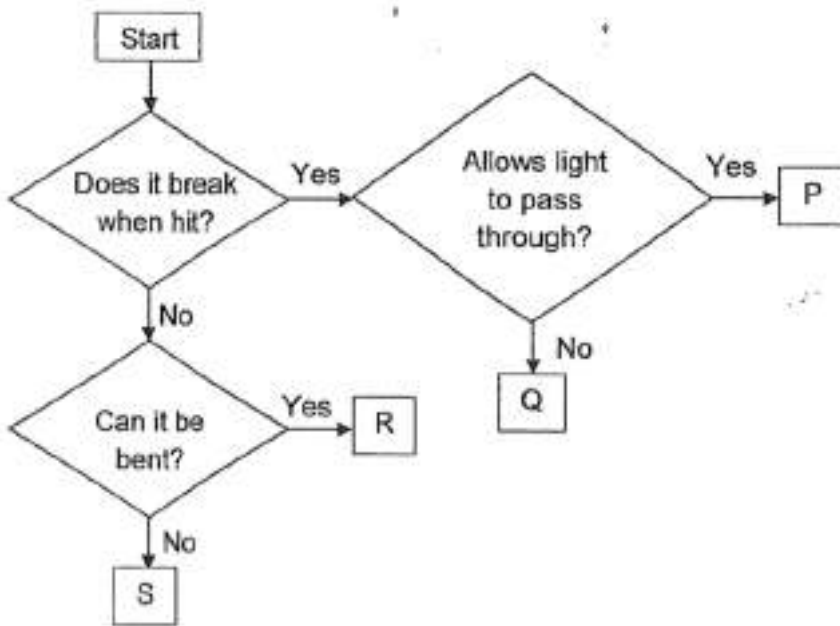
## Question 23

Primary 4 Science » Primary 4 Science (Term 2)

2 pts



Study the flow chart below.



Which of the letters P, Q, R or S best represents a ceramic vase?

- A) P
- ✓ B) Q
- C) R
- D) S

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,699,951

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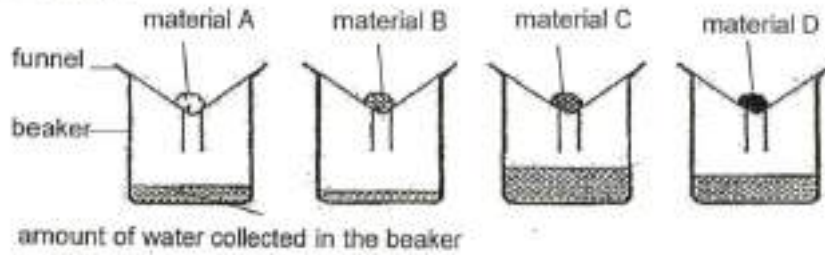
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## Question 24

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Materials A, B, C, and D were placed in the funnels as shown below. 200 ml of water was poured into each funnel and some of the water was collected in the beakers.



Arrange the materials A, B, C and D based on their ability to absorb water.

	Absorbs the least	→	Absorbs the most
(1)	A		C D B
(2)	B		D C
(3)	C		D A B
(4)	D		C B A

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,700,014

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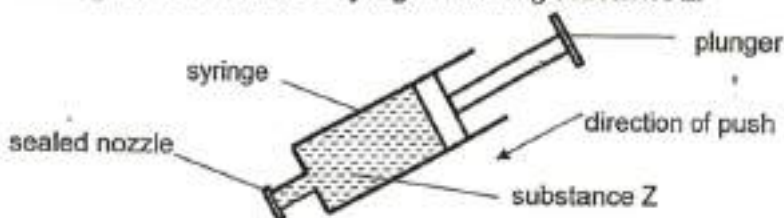
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## Question 25

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows a syringe containing substance Z.



Darren tried to push in the plunger but it did not move.

Based on his experiment, what can Darren conclude about substance Z?

- A) Substance Z has mass  
 B) Substance Z has a fixed volume



- C) Substance Z can be compressed
- D) Substance Z has no definite shape

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Wed 16th Sep 2020  
**Last Modified:** Wed 16th Sep 2020  
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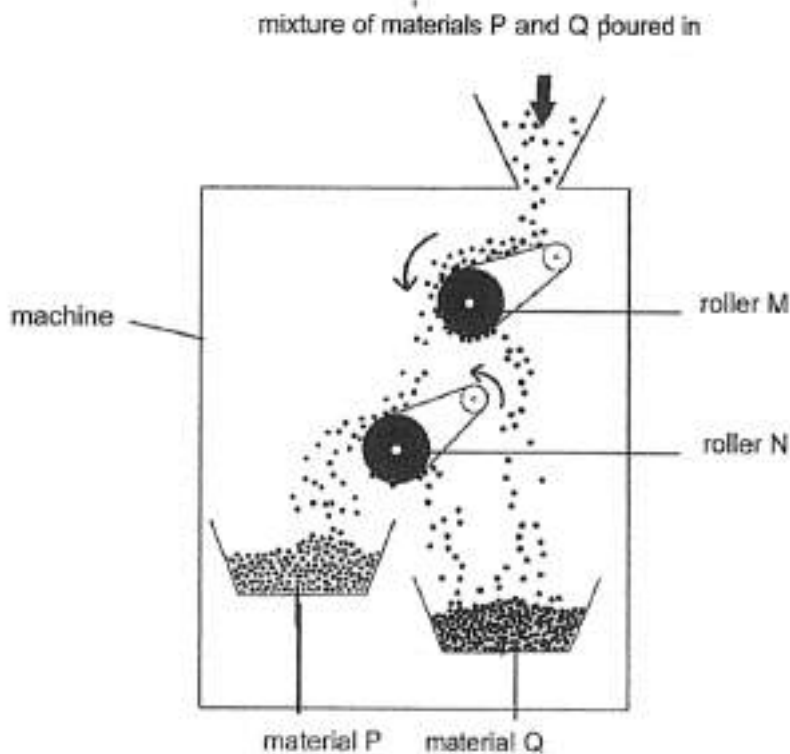
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## Question 26

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

A mixture of materials P and Q is poured into a machine. The machine separates materials based on their magnetic properties.



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

- A) Only roller M is a magnet.
  - B) Material Q is a magnetic material.
  - C) Both rollers M and N are magnets.
  - D) Roller M has a stronger magnetic pull.
- 
- A) A and D only
  - B) B and C only
  - C) A, B and C only
  - D) B, C and D only

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Wed 16th Sep 2020  
 Last Modified: Wed 16th Sep 2020  
 QID#: 23,700,052

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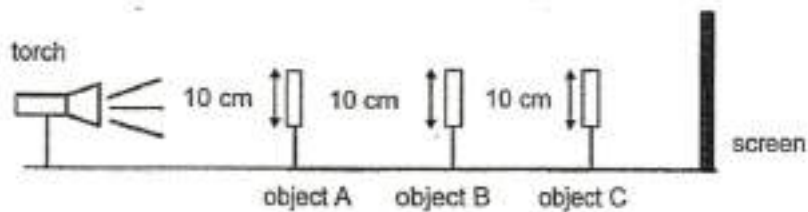
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## Question 27

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows a torch shining on objects A, B and C.



The shadow of the objects cast on the screen is shown below.



Which of the following is most likely to be objects A, B and C?

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

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

Question Type: Multiple Choice  
 Randomize Answers: No

Date Added: Wed 16th Sep 2020  
 Last Modified: N/A  
 QID#: 23,700,064

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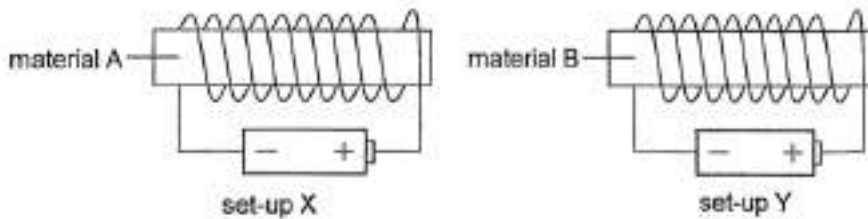
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## Question 28

Primary 4 Science » Primary 4 Science (Term 2)

2 pts

Yanni conducted an experiment using two different materials A and B as shown in the diagram below. She ensured that the batteries and wires were in working condition before the experiment.



She placed some steel clips near material A and B and recorded her observations in the table below.

Material	Number of steel clips attracted
A	9
B	0

Based on the results in the table, what could be a possible reason for her observations?

- A) Material A is made of aluminium
- B) The battery in set-up Y was not working
- ✓ C) Material B is made of non-magnetic material
- D) There were too few coils of wire around material B

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Wed 16th Sep 2020  
 Last Modified: N/A  
 QID#: 23,700,082

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

[Remove From Test](#)

## Question 29

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

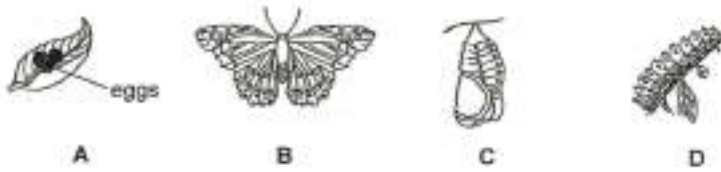
### Booklet B

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.

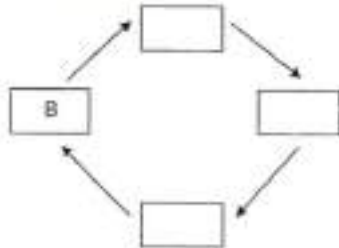
Grading: This question type is not graded on this system and will not affect the final score as it

was designed in such a way that it requires manual assistance.

The diagram below shows the different stages A, B, C and D in the life cycle of a butterfly.



- (a) Arrange the stages of the life cycle of the butterfly in the correct order, by writing the letters A, C and D in the boxes provided. [1]



- (b) Judy observed some butterfly eggs on a leaf. Explain why the butterfly lays its eggs on a leaf. [1]

---



---

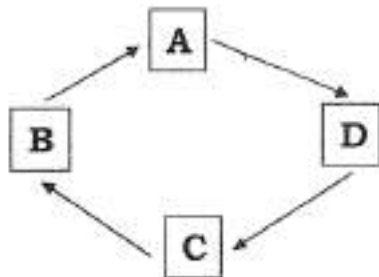
- (c) Judy observed that the butterfly moulted at one stage of its life cycle. At which stage of its life cycle A, B, C or D did it moult? Explain why it moulted. [1]

---

Question Type: Essay  
 Date Added: Thu 17th Sep 2020  
 Last Modified: N/A  
 QID#: 23,713,726

Correctly answered feedback

a)

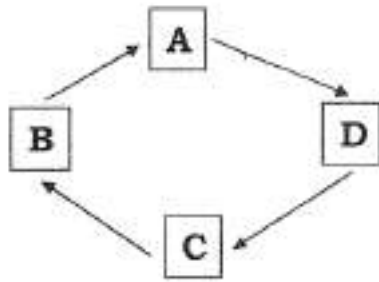


b) The is to ensure the butterfly larvae can feed on the leaves once they are hatched from the eggs.

c) It moulted at stage D as it is too big for its skin so it shed its skin and grow new skin.

**Incorrectly answered feedback**

a)



b) The is to ensure the butterfly larvae can feed on the leaves once they are hatched from the eggs.

c) It moulted at stage D as it is too big for its skin so it shed its skin and grow new skin.

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

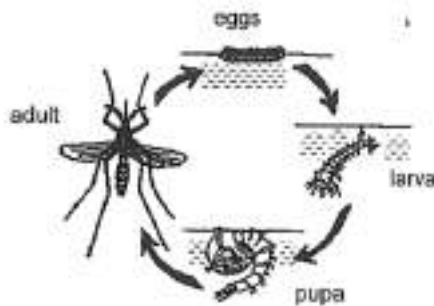
[Remove From Test](#)

**Question 30**

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

The diagram below shows the life cycle of a mosquito.



(a) The larva and pupa of a mosquito breathes through breathing tubes. How does pouring a layer of oil above the water surface kill them? [1]

---



---

(b) At which stage of a mosquito's life cycle is it considered a pest to humans? Explain why. [1]

---



---

(c) One way to prevent mosquito breeding at home is to change or clear all stagnant water in vases and flower pots regularly. Explain how this method can be used to prevent mosquito breeding. [1]

---

Question Type: Essay  
Date Added: Thu 17th Sep 2020  
Last Modified: N/A  
QID#: 23,713,744

**Correctly answered feedback**

- a) **The layer of oil above the water surface blocks air entering the breathing tubes therefore they will not get air and they will die.**
- b) **The adult stage as they suck our blood and we may get sick.**
- c) **The mosquito lay eggs on stagnant surfaces so by pouring away the stagnant water will prevent the mosquito's eggs from hatching and develop into adults.**

**Incorrectly answered feedback**

- a) **The layer of oil above the water surface blocks air entering the breathing tubes therefore they will not get air and they will die.**
- b) **The adult stage as they suck our blood and we may get sick.**
- c) **The mosquito lay eggs on stagnant surfaces so by pouring away the stagnant water will prevent the mosquito's eggs from hatching and develop into adults.**

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

[Remove From Test](#)

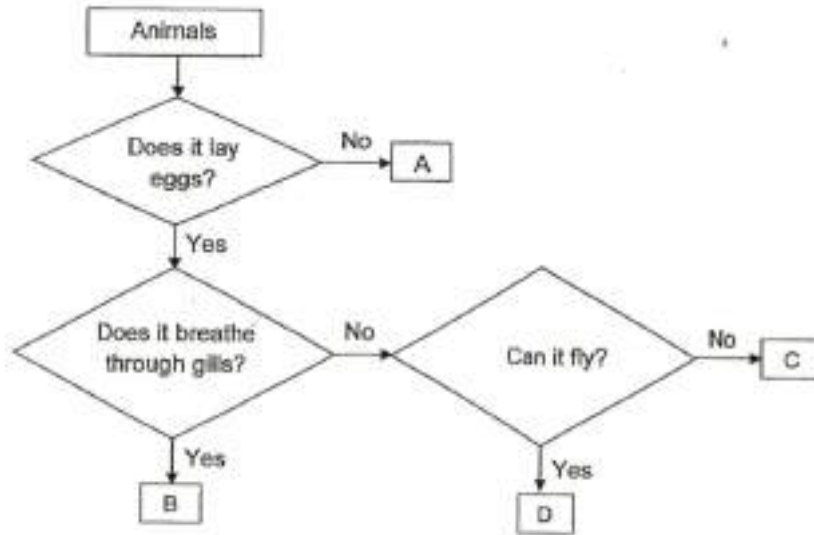
## Question 31

Primary 4 Science » Primary 4 Science (Term 2)

0 pts



Study the flow chart below.



Based on the flow chart, state the characteristics of animal D.

[2]

**Question Type:** Essay  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,713,761

**Correctly answered feedback**

Animal D lay eggs, does not breathe through gills and it can fly

**Incorrectly answered feedback**

Animal D lay eggs, does not breathe through gills and it can fly

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

[Remove From Test](#)

## Question 32

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Based on the flow chart, state one similarity between animal B and C.

**Question Type:** Essay  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,713,774

**Correctly answered feedback**

They both lay eggs

**Incorrectly answered feedback**

They both lay eggs

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

[Remove From Test](#)

## Question 33

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Which letter A, B, C or D in the flow chart best represents a snake?

- A) A  
 B) B  
 ✓ C) C  
 D) D

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,713,833

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

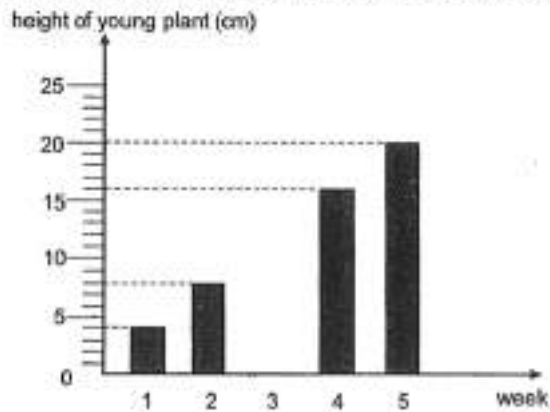
[Remove From Test](#)

## Question 34

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

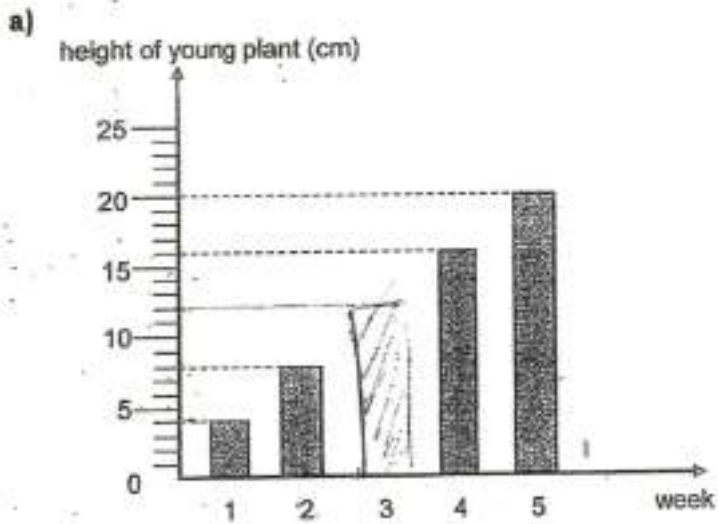
Gerald planted a seed in his garden and watered it daily. He recorded his observations of the development of the seed over five weeks in the graph below.



- (a) Gerald observed that the plant grow at a regular rate from week 1 to week 5. Draw the height of the plant at week 3 in the graph above. [1]
- (b) Based on the graph, which characteristic of living things does the plant show? [1]
- 
- (c) Gerald decided to stop watering his young plant after week 5. What do you think will happen to the young plant after two weeks? Give a reason for your answer. [1]
- 

**Question Type:** Essay  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,713,856

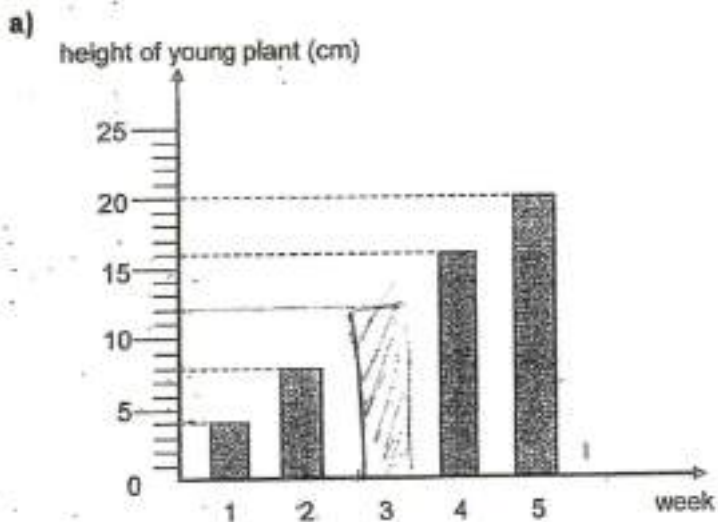
Correctly answered feedback



b) **Plants can grow.**

c) **The plant will die as plant it need water to survive.**

*Incorrectly answered feedback*



b) **Plants can grow.**

c) **The plant will die as plant it need water to survive.**

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

[Remove From Test](#)

## Question 35

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

- Vivian carried out an experiment with two similar slices of bread A and B. She added 10 ml of water to the bread in set-up A and 20 ml of water to the bread in set-up B. Both bread A and B were placed side by side near a window. After five days, she observed the amount of bread mould on the two slices of bread.

(a) State the aim of Vivian's experiment.

[1]

---



---

(b) State two changes Vivian should make to her experiment if she wants to find out if the location where the bread slices are placed will affect the growth of bread mould.

[2]

(i) \_\_\_\_\_

---

(ii) \_\_\_\_\_

Question Type: Essay  
 Date Added: Thu 17th Sep 2020  
 Last Modified: N/A  
 QID#: 23,713,885

**Correctly answered feedback**

**a) The aim is to find out if the amount of water added to the bread would affect the rate of the mould growing on the bread.**

**b) i) She should add the same amount of water to both slices of bread.**

**ii) She should put one slice of bread near the window and the other slice of bread in the fridge.**

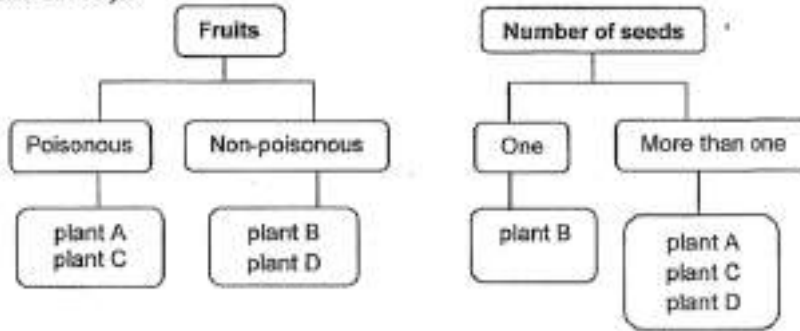
**Incorrectly answered feedback**

**a) The aim is to find out if the amount of water added to the bread would affect the rate of the mould growing on the bread.**

**b) i) She should add the same amount of water to both slices of bread.**

**ii) She should put one slice of bread near the window and the other slice of bread in the fridge.**

The two charts below shows how four plants A, B, C and D can be classified in two different ways.



Based on the chart above, state the characteristics of the fruit of plant D. [1]

**Question Type:** Essay  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,713,903

**Correctly answered feedback**

**a) The fruit of plant D is non-poisonous and it has more than one seed.**

**Incorrectly answered feedback**

**a) The fruit of plant D is non-poisonous and it has more than one seed.**

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

[Remove From Test](#)

## Question 37

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Which plant A, B, C or D best represents a mango plant?

- A) A
- ✓ B) B
- C) C
- D) D

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,713,914

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

[Remove From Test](#)

## Question 38

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Aminah saw plant X in her garden as shown below. She observed that it had no flowers and concluded that it was a non-flowering plant.



Do you agree with her? Give a reason for your answer.

[1]

Question Type: Essay  
Date Added: Thu 17th Sep 2020  
Last Modified: N/A  
QID#: 23,713,956

**Correctly answered feedback**

**c) No. The flowers will only bloom at a certain period of time. It was not bloom when Aminah saw it.**

**Incorrectly answered feedback**

**c) No. The flowers will only bloom at a certain period of time. It was not bloom when Aminah saw it.**

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

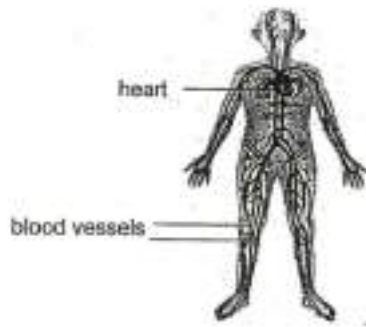
[Remove From Test](#)

## Question 39

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

The diagram below shows a human circulatory system.



(a) State two functions of the human system shown above. [2]

Function 1: \_\_\_\_\_

\_\_\_\_\_

Function 2: \_\_\_\_\_

\_\_\_\_\_

Question Type: Essay  
 Date Added: Thu 17th Sep 2020  
 Last Modified: N/A  
 QID#: 23,713,969

**Correctly answered feedback**

**a) Function 1: It transport water, mineral salts, digested food, oxygen to all parts of the body.**

**Function 2: It removes wasted products from our body.**

**Incorrectly answered feedback**

**a) Function 1: It transport water, mineral salts, digested food, oxygen to all parts of the body.**

**Function 2: It removes wasted products from our body.**

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

[Remove From Test](#)

## Question 40

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

The diagram below shows Maya's hand holding a crayon.



Name the two organ systems that work together to allow Maya to hold a crayon. [1]

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

Question Type: Essay  
Date Added: Thu 17th Sep 2020  
Last Modified: N/A  
QID#: 23,713,979

**Correctly answered feedback**

- i) Muscular system.**
- ii) Skeleton system.**

**Incorrectly answered feedback**

- i) Muscular system.**
- ii) Skeleton system.**

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

[Remove From Test](#)

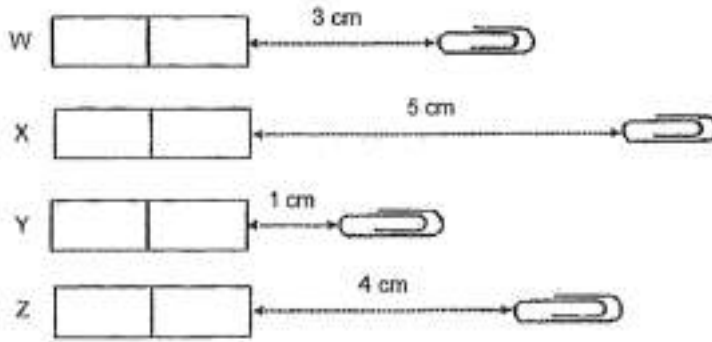
## Question 41

Primary 4 Science » Primary 4 Science (Term 2)

2 pts



Timmy wanted to test the magnetic strength of four different bar magnets W, X, Y and Z. He placed them at the same starting point. He then slowly pushed the paper clips towards the magnets along the rulers and measured the distance at which the paper clips were attracted to the magnets. The results are shown below.



Based on the results, arrange magnets W, X, Y and Z from the one with the greatest magnetic strength to the one with the weakest magnetic strength. Write the letters W, X, Y and Z in the boxes provided below. [2]

Greatest magnetic strength		Weakest magnetic strength	

#### Accepted answers:

- ✓ X,Z,W,Y
- ✓ X ,Z ,W ,Y
- ✓ X, Z, W, Y
- ✓ X , Z , W , Y
- ✓ X Z W Y

**Question Type:** Free Text  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,714,008

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

[Remove From Test](#)

## Question 42

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Would the results shown above be different if Timmy reduced the sizes of all the magnets? Explain your answer

**Question Type:** Essay  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,714,046

#### Correctly answered feedback

No, as they will still have the same magnetic strength

**Incorrectly answered feedback**

No, as they will still have the same magnetic strength

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

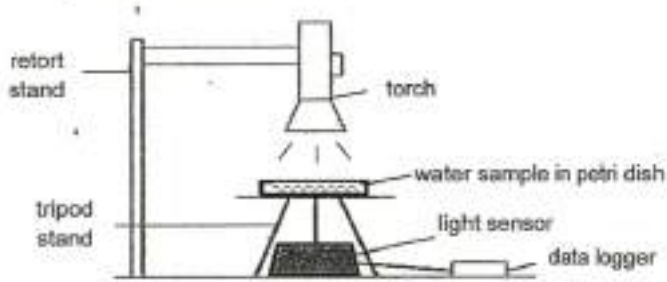
[Remove From Test](#)

### Question 43

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

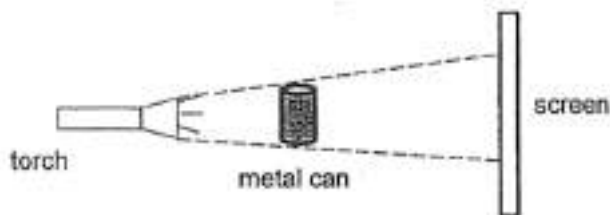
Ashwin collected water samples X, Y, Z from three different rivers and set up a torch and a light sensor as shown below.



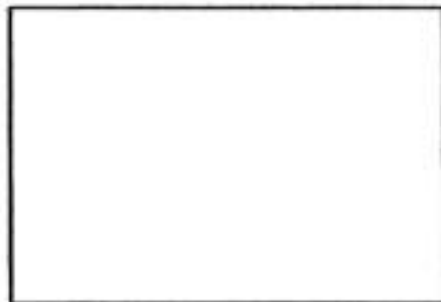
He conducted the experiment in a dark room and recorded the readings from the data logger in the table below.

Water sample	Amount of water (ml)	Amount of light detected by the light sensor (lux)
X	250	455
Y	250	880
Z	250	100

- (a) Ashwin then placed a coin in each of the petri dishes containing water samples X, Y and Z. Based on the table above, in which water sample will the coin be seen most clearly? Explain your answer. [1]
- \_\_\_\_\_
- \_\_\_\_\_
- (b) Besides using the same amount of water, state another variable that must be kept constant to ensure a fair test. [1]
- \_\_\_\_\_
- (c) Give a reason why the experiment needs to be conducted in a dark room. [1]
- (d) Ashwin shone a torch at a metal can as shown in the diagram below.



Draw the shadow formed by the metal can in the box below.

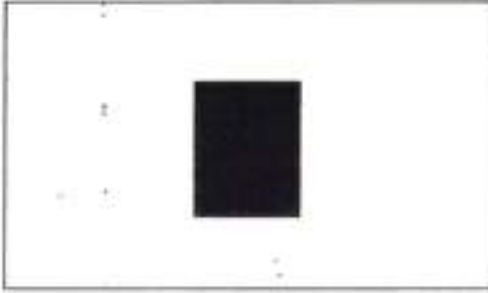


Date Added: Thu 17th Sep 2020  
Last Modified: Thu 17th Sep 2020  
QID#: 23,714,089

**Correctly answered feedback**

- a) **Sample Y, as it allowed most light to pass through it. Hence, this indicating the water in sample Y is the clearest and allowing most light to pass through.**
- b) **The distance between the torch and the water sample in the petri dish.**
- c) **As other light not coming from the torch will not be detected by the light sensor.**

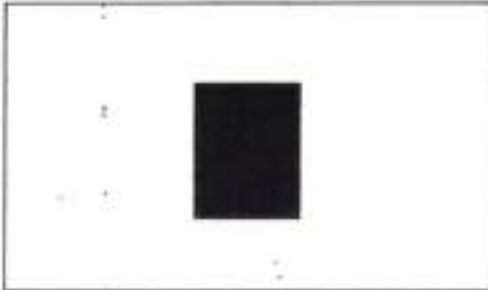
d)



**Incorrectly answered feedback**

- a) **Sample Y, as it allowed most light to pass through it. Hence, this indicating the water in sample Y is the clearest and allowing most light to pass through.**
- b) **The distance between the torch and the water sample in the petri dish.**
- c) **As other light not coming from the torch will not be detected by the light sensor.**

d)



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

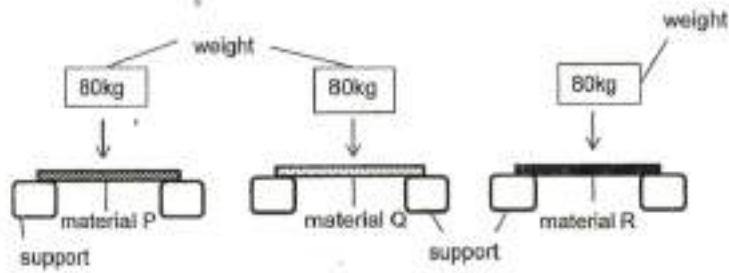
[Remove From Test](#)

## Question 44

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Linda placed a weight on three materials P, Q and R. The materials are of the same thickness. She recorded her observations in the table below.



Material	Observation
P	It broke.
Q	It was able to bend.
R	It remained the same.

(a) What is the aim of Linda's experiment?

[1]

**Question Type:** Essay  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,714,492

**Correctly answered feedback**

To find out if which material is the strongest

**Incorrectly answered feedback**

To find out if which material is the strongest

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

[Remove From Test](#)

## Question 45

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

Material Q is made of steel

- A) True  
 B) False  
 ✓ C) Not possible to tell

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,714,508

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

[Remove From Test](#)

## Question 46

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

Material R will not break if a 70 kg weight is placed on it

- A) True
- B) False
- C) Not possible to tell

---

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,714,512

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

[Remove From Test](#)

## Question 47

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

Material P is able to float on water

- A) True
- B) False
- C) Not possible to tell

---

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,714,523

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

[Remove From Test](#)

## Question 48

Primary 4 Science » Primary 4 Science (Term 2)

0.5 pts

Material P will be able to hold a 88 KG box

- A) True
- B) False
- C) Not possible to tell

---

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,714,534

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

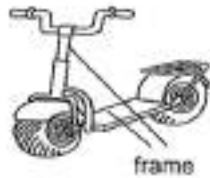
[Remove From Test](#)

## Question 49

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

The diagram below shows a skate scooter.



Based on the table, which material P, Q or R is most suitable for making the frame of the skate scooter? Give a reason for your answer.

[1]

**Question Type:** Essay  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,714,549

**Correctly answered feedback**

R as it is the strongest among the other material tested. So it can withstand the body mass of the rider without breaking easily.

**Incorrectly answered feedback**

R as it is the strongest among the other material tested. So it can withstand the body mass of the rider without breaking easily.

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

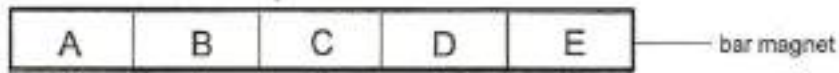
[Remove From Test](#)

## Question 50

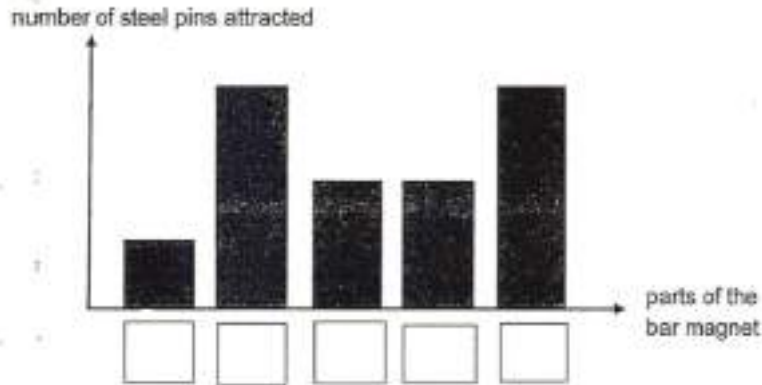
Primary 4 Science » Primary 4 Science (Term 2)

2 pts

The diagram below shows a bar magnet labelled with letters A, B, C, D and E as shown below.



The bar magnet was lowered into a tray of steel pins. The number of pins attracted to each of the different parts of the bar magnet were counted and recorded in the graph below.



Write A, B, C, D and E in the boxes in the graph to represent the different parts of the magnet. [2]

Accepted answers:

- ✓ C,A,B,D,E
- ✓ C, A, B, D, E
- ✓ C ,A ,B ,D, E
- ✓ C A B D E
- ✓ c ,a ,b ,d ,e

**Question Type:** Free Text  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,714,612

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

[Remove From Test](#)

## Question 51

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

(b) Based on your answer in (a), explain your choice for part C of the magnet. [1]

---



---

(c) Which property of magnets does this experiment show? [1]



Question Type: Essay  
 Date Added: Thu 17th Sep 2020  
 Last Modified: N/A  
 QID#: 23,714,688

**Correctly answered feedback**

b) Part C is the center of the magnet. It is the weakest part of the magnet. Hence, it attracted the least number of steel pins.

c) The strongest part of the magnet is at the both poles and the weakest part of the magnet is at the center.

**Incorrectly answered feedback**

b) Part C is the center of the magnet. It is the weakest part of the magnet. Hence, it attracted the least number of steel pins.

c) The strongest part of the magnet is at the both poles and the weakest part of the magnet is at the center.

Answers | Edit | Duplicate | Used In | Reorder

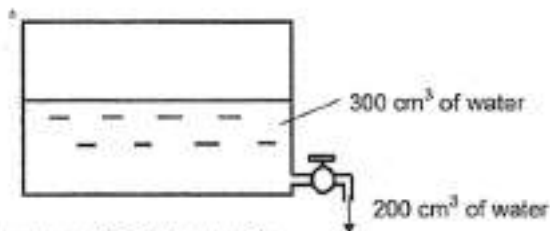
Remove From Test

## Question 52

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Shu Fen filled a  $500 \text{ cm}^3$  tank with  $300 \text{ cm}^3$  of water. She then turned on the tap and allowed only  $200 \text{ cm}^3$  of water to flow out as shown below.



What is the final volume of air in the tank?

[1]

Accepted answers:

- ✓ 400cm3
- ✓ 400 cm3
- ✓ 400
- ✓ 400 CM 3
- ✓ 400cm 3

Question Type: Free Text

Date Added: Thu 17th Sep 2020  
 Last Modified: N/A  
 QID#: 23,714,699

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

[Remove From Test](#)

## Question 53

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

What does this show about the property of air?

**Question Type:** Essay  
 Date Added: Thu 17th Sep 2020  
 Last Modified: N/A  
 QID#: 23,714,707

### Correctly answered feedback

Air takes up space

### Incorrectly answered feedback

Air takes up space

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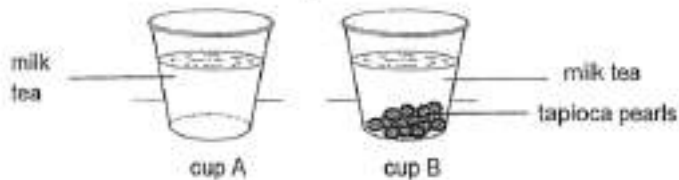
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## Question 54

Primary 4 Science » Primary 4 Science (Term 2)

1 pt

Shu Fen prepared two cups of the same size and shape. She filled cup A with 300 ml of milk tea and cup B with 250 ml of milk tea. She then added some tapioca pearls into cup B and observed that the two cups had the same liquid level as shown below.



What is the total volume of the tapioca pearls in cup B?

[1]

### Accepted answers:

- ✓ 50
- ✓ 50ml
- ✓ 50 ml

**Question Type:** Free Text  
 Date Added: Thu 17th Sep 2020  
 Last Modified: N/A  
 QID#: 23,714,716

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## Question 55

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

The two cups have the same liquid level although they contain different amounts of milk tea. Explain why

**Question Type:** Essay  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,714,727

#### Correctly answered feedback

The tapioca pearls takes up space in cup B taking up the space of water originally in the cup causing the water level to rise

#### Incorrectly answered feedback

The tapioca pearls takes up space in cup B taking up the space of water originally in the cup causing the water level to rise

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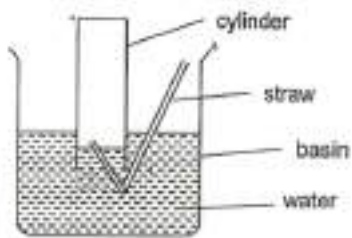
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## Question 56

Primary 4 Science » Primary 4 Science (Term 2)

0 pts

Study the diagram below.



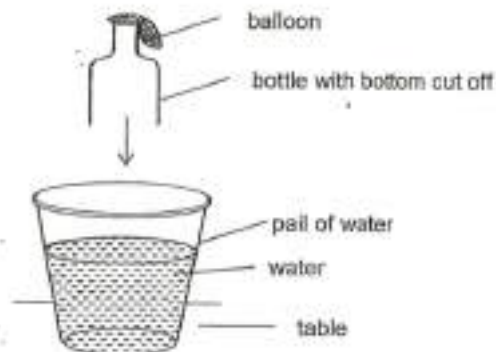
- (a) What would happen to the water level in the cylinder if Siti sucks out some air through the straw? [1]

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Siti set up the experiment as shown below. She cut off the bottom of a bottle and attached a balloon to the opening of the bottle. She then pushed the bottle vertically into the pail of water.



- (b) What do you think she will observe? Give a reason for your answer. [2]

**Question Type:** Essay  
**Date Added:** Thu 17th Sep 2020  
**Last Modified:** N/A  
**QID#:** 23,714,737

**Correctly answered feedback**

- a) The water level will increase.
- b) The balloon would be inflated. When Siti push the bottle into the water, the air in the bottle was pushed into the balloon. The air occupied the space in the balloon and the balloon became inflated.

**Incorrectly answered feedback**

- a) The water level will increase.
- b) The balloon would be inflated. When Siti push the bottle into the water, the air in the bottle was pushed into the balloon. The air occupied the space in the balloon and the balloon became inflated.

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