

 **(2020) Primary 5 Science (Term 4) - Nan Hua** [Add Questions](#)[Assign](#)[Settings](#)[Review](#)[Duplicate](#)[Print](#)[Delete](#)[Assign Test](#)**Test Introduction**[+ Add Introduction](#)**62 Questions** (62 Points)Question Bank: 9,275 Questions 

Test Questions

0 Test Assignments

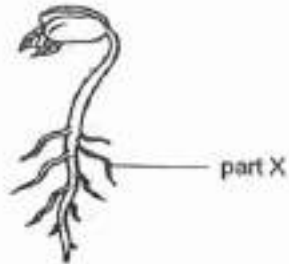
**Question 1**

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

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

The diagram below shows part X of a germinating seed.



What are the functions of part X?

- A making food
- B taking in water
- C absorbing sunlight
- D anchoring the plant

- 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:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,840,811

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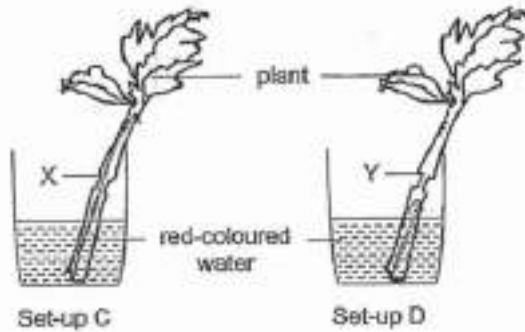
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## Question 2

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Tom had two similar plants. He removed the food-carrying tubes of one plant at part X and placed it in set-up C. He removed both the food-carrying tubes and the water-carrying tubes of the other plant at part Y and placed it in set-up D as shown below.



What will be the colour of the leaves in both set-ups after two days?

	Colour of leaves in set-up C	Colour of leaves in set-up D
(1)	turned red	turned red
(2)	turned red	remained green
(3)	remained green	turned red
(4)	remained green	remained green

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,840,817

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## Question 3

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram below shows the digestion of food as it passes through the different organs of the digestive system.



Which of the following are the functions of organs X and Y?

	X	Y
(1)	moves the food to the next organ	removes undigested food
(2)	chews the food into smaller pieces	absorbs digested food
(3)	mixes the food with saliva	absorbs undigested food
(4)	chews and digests the food	absorbs water only and removes waste

- A) 1  
 ✓ B) 2  
 C) 3  
 D) 4

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Fri 27th Aug 2021  
 Last Modified: N/A  
 QID#: 28,840,818

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## Question 4

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram below shows a boy kicking a ball.



Which of the following organ systems work together to enable the boy to kick the ball?

- A muscular system  
 B circulatory system  
 C respiratory system  
 D skeletal system

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,840,825

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## Question 5

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The table below shows the statements made by four students, A, B, C and D on the human respiratory and circulatory systems.

Student	Organ system	Statement
A	respiratory	The windpipe connects the heart to the lungs.
B	respiratory	The lungs help the body to take in oxygen and remove carbon dioxide.
C	circulatory	The heart pumps oxygen to the rest of the body.
D	circulatory	The blood contains water, oxygen and carbon dioxide only.

Which statements made by the following students are not correct?

- A) A and D only
- B) B and C only
- ✓ C) A, C and D only
- D) All of the above

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,840,829

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## Question 6

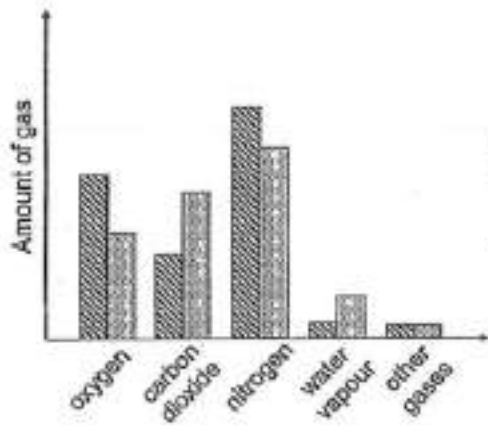
Primary 5 Science » Primary 5 Science (Term 4)

2 pts

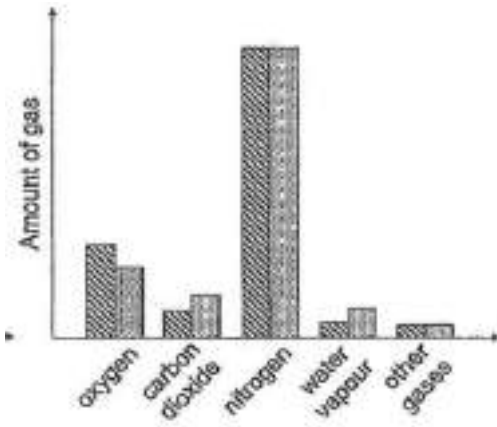
Five people were trapped in a small lift for 30 minutes. Which of the following graphs best represents the composition of air in the lift at the start and at the end of the 30 minutes?

Key	
	at the start of the 30 minutes
	at the end of the 30 minutes

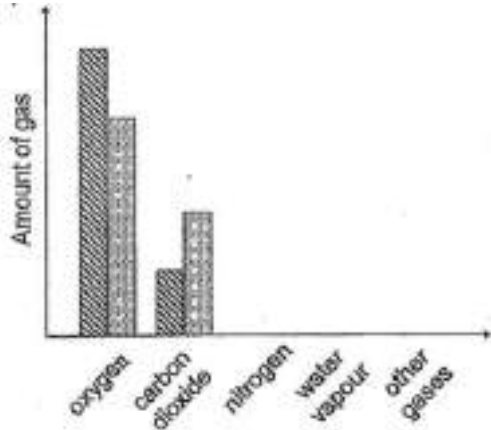
A)



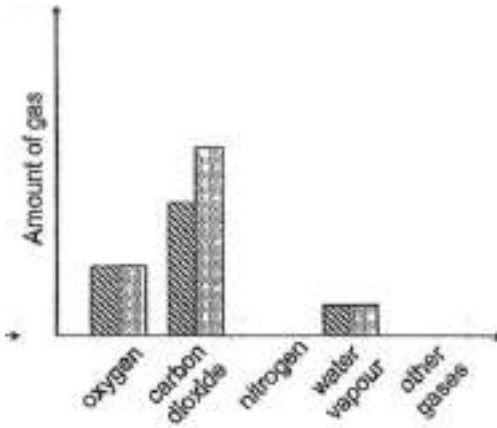
✓ B)



C)



D)



Question Type: Multiple Choice  
Randomize Answers: No

Date Added: Fri 27th Aug 2021  
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 QID#: 28,840,838

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### Question 7

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Which of the following statement(s) is/are correct about the transportation of substances in plants or in humans?

- A Digested food is transported in food carrying tubs
- B Food made in the leaves is only transported downwards to all parts of the plant
- C Water is supplied to all parts of the human body through the water-carrying tubes
- D Water is transported in one direction in plants while water in the blood is circulated around the human body

- ✓ A) D 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: Mon 30th Aug 2021  
 Last Modified: N/A  
 QID#: 28,862,414

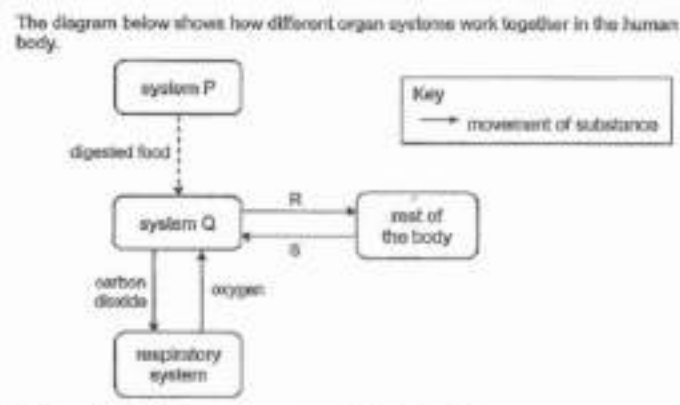
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### Question 8

Primary 5 Science » Primary 5 Science (Term 4)

2 pts



Which of the following correctly represents P, Q, R and S?

	System P	System Q	R	S
(1)	digestive	circulatory	oxygen	carbon dioxide
(2)	digestive	circulatory	waste material	nitrogen
(3)	circulatory	digestive	digested food	carbon dioxide
(4)	circulatory	digestive	water	waste material

- ✓ A) 1
- B) 2
- C) 3
- D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,862,427

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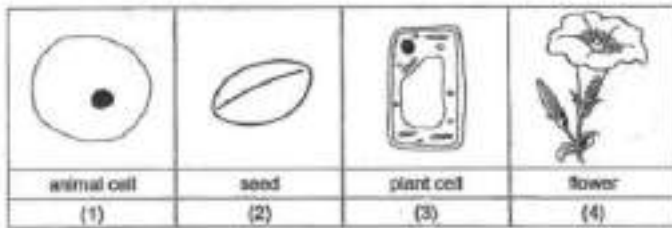
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### Question 9

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Which of the following diagrams correctly shows the basic unit of life of a plant?



- A) 1
- B) 2
- ✓ C) 3
- D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,862,444

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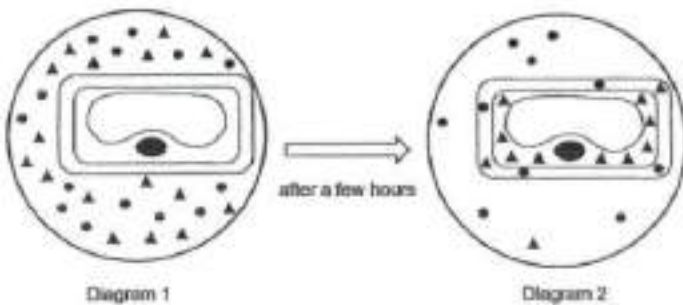
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### Question 10

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Diagram 1 below shows a plant cell placed in a petri dish with a liquid containing substances **A** and **B**. Diagram 2 shows the cell after a few hours.



Based on the results of the experiment above, which statement can you correctly conclude about the cell?

- A) All cell activities take place in the cytoplasm

- B) The nucleus controls the movement of substances
- ✓ C) The cell wall allows both substances to enter the cell
- D) The cell membrane allows both substances to enter the cell

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,000

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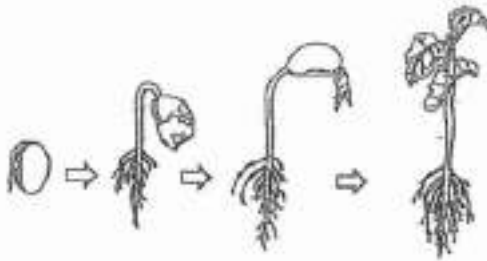
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### Question 11

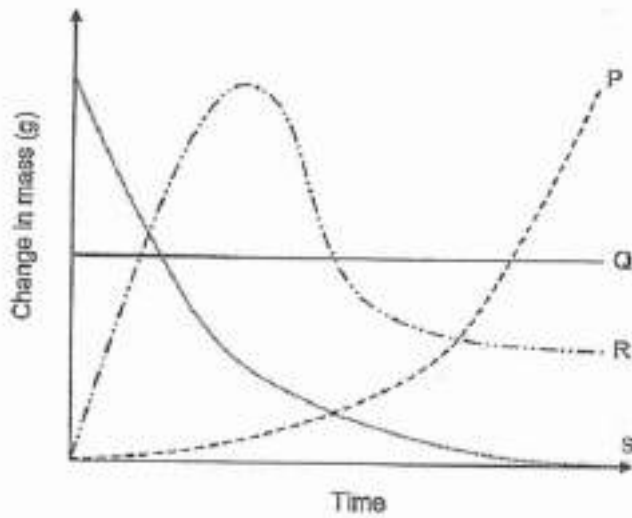
Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram below shows the development of a seed into a young plant.



Which pair of lines best represents the changes in the mass of roots and seed leaves during germination?



	Mass of roots	Mass of seed leaves
(1)	P	Q
(2)	P	S
(3)	R	S
(4)	R	Q

- A) 1
- ✓ B) 2
- C) 3



D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,012

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### Question 12

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Which of the statements about the life cycles of a frog and a cockroach are correct?

- A There is no moulting in both life cycles
- B Both the frog and the cockroach lay eggs in water
- C Both the frog and cockroach have 3 stages in their life cycle
- D The young of a frog spends part of its life cycle in water but the young of the cockroach does not

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,025

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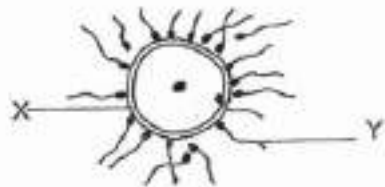
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### Question 13

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram below shows one of the processes of human reproduction.



Which one of the following correctly identifies X and Y?

	X	Y
(1)	egg	pollen grain
(2)	egg	sperm
(3)	sperm	egg
(4)	pollen grain	egg

A) 1

- ✓ B) 2
- C) 3
- D) 4

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**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,097

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## Question 14

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The characteristics that can be passed from parents to their offspring are \_\_\_\_

- A type of blood
- B color of the eyes
- C length of fingernails
- D ability to roll the tongue

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

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**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
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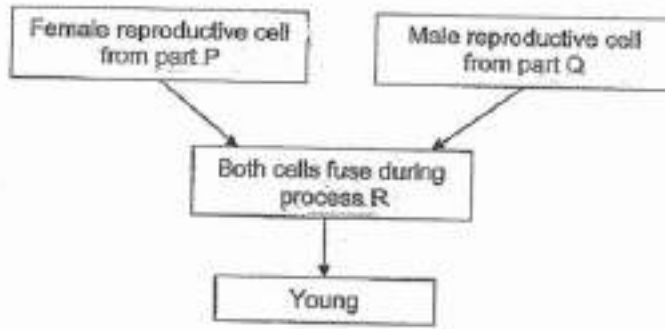
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## Question 15

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Study the diagram below.



Which of the following correctly represents P, Q and R in both the human and the plant reproductive systems?

	Human reproductive system			Plant reproductive system		
	Part P	Part Q	Process R	Part P	Part Q	Process R
(1)	ovary	testis	reproduction	stigma	anther	reproduction
(2)	ovary	testis	reproduction	stigma	anther	pollination
(3)	ovary	testis	fertilisation	ovules	pollen grains	fertilisation
(4)	testis	ovary	fertilisation	ovary	pollen grains	fertilisation

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
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**QID#:** 28,863,110

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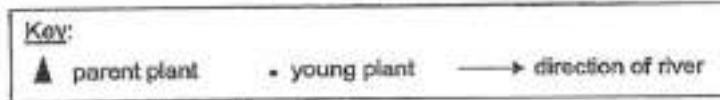
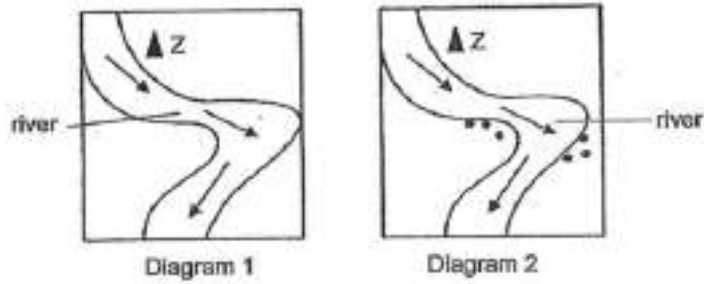
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## Question 16

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Diagram 1 shows the location of a parent plant Z near a river before it disperses its fruits. Diagram 2 shows the location of its young plants about a year later.



Which one of the following characteristics best describes the fruit from plant Z?

- A) has hooks
- B) has juicy flesh
- ✓ C) has air spaces
- D) has wing like structures

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,122

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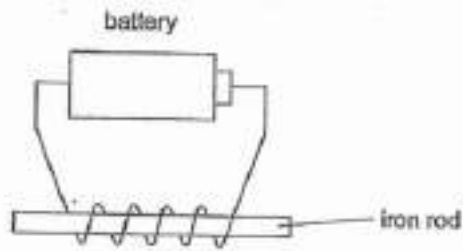
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## Question 17

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Molly used the set-up shown below to create an electromagnet.



Her friends suggested three methods to increase the strength of the electromagnet as listed below.

- A use two batteries
- B put the battery closer to the rod
- C increase the number of coils around the rod

Which methods above would allow her to increase the strength of the electromagnet?

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
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**QID#:** 28,863,137

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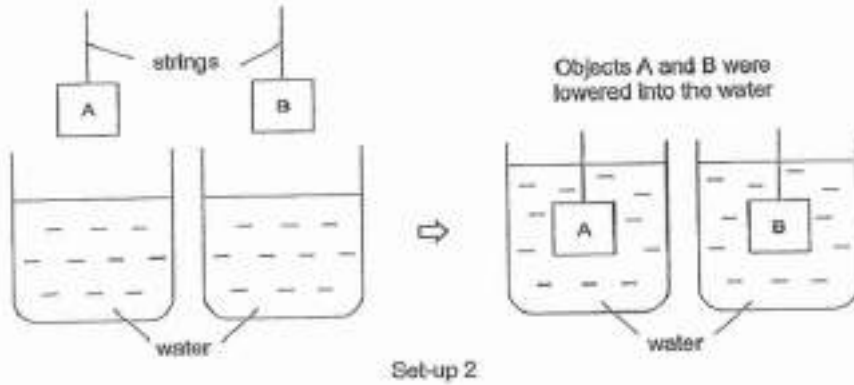
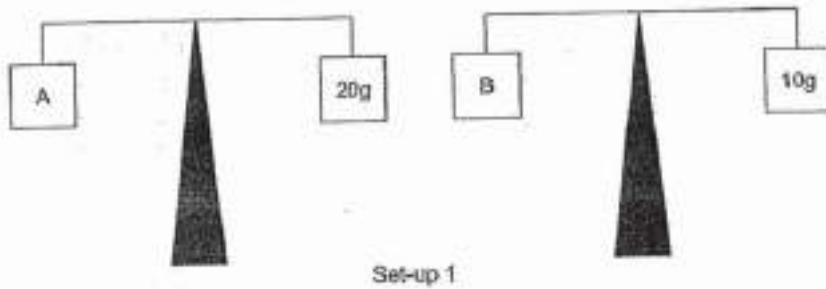
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## Question 18

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Caihua carried out the following experiments on two objects, A and B. The objects have the same size and shape.



Based on the experiment shown above, which of the following statements is true?

- A) Object A has less mass than object B
- B) Object A and B have the same mass
- ✓ C) Object A and B have the same volume
- D) Object A has a greater volume than object B

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
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**QID#:** 28,863,158

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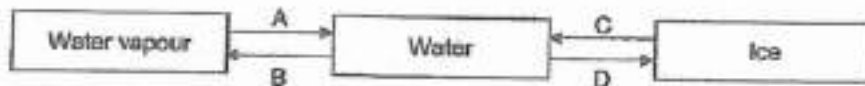
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## Question 19

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Study the diagram below. A, B, C and D represent different processes.



Which letters represent melting and evaporation?

	Melting	Evaporation
(1)	C	B
(2)	C	A
(3)	D	B
(4)	D	A

- ✓ A) 1  
B) 2  
C) 3  
D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,163

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## Question 20

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Which of the following shows heat gain as water changes from one state to another in the water cycle?

- A puddles of rainwater drying up  
B water vapour turning into clouds  
C clouds getting heavier and fall as rain

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,176

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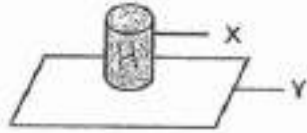
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## Question 21

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram below shows object X which is placed on top of object Y. Heat flows from X to Y.



Which statement explains why heat flows from X to Y?

- A) X has a lower temperature than Y
- ✓ B) X has a higher temperature than Y
- C) X is a better conductor of heat than Y
- D) X is a poorer conductor of heat than Y

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,188

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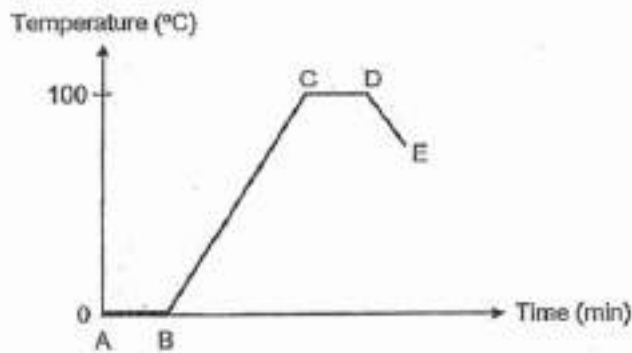
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## Question 22

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The graph below shows the change in temperature of water over time.



Which part of the graph shows a change in the state of water from solid to liquid?

- ✓ A) AB
- B) BC
- C) CD
- D) DE

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
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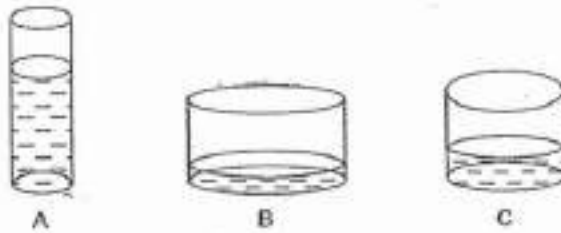


**Question 23**

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Mary poured equal volumes of water into three containers, A, B and C made from the same material and placed the containers at the same location.



What is the order of the containers, according to the amount of the water left inside the containers after a day, from the least amount to the most amount?

	least <span style="font-size: 1.2em;">→</span> most		
(1)	A	B	C
(2)	A	C	B
(3)	B	C	A
(4)	C	B	A

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

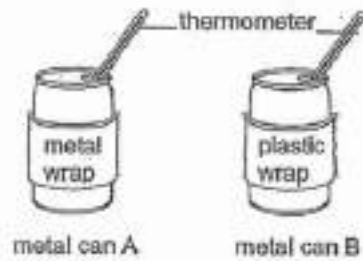
**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,204

**Question 24**

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Tom filled two identical metal cans with the same amount of water at 60°C. He then wrapped the cans with metal and plastic as shown in the diagram below.



He recorded the temperature of water in each can every 5 minutes. The temperature of water in can A is shown in the table below.

Time (min)	0	5	10
Temperature (°C)	60	54	60

Which of the following sets of temperature readings would most likely be recorded for can B?

	Temperature (°C)		
	0 min	5 min	10 min
(1)	60	52	48
(2)	60	55	48
(3)	60	57	54
(4)	60	63	66

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Mon 30th Aug 2021  
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 QID#: 28,863,214

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## Question 25

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

David wanted to set up a simple electrical circuit that could ring a bell. He selected the following items to construct his electrical circuit.

bell	wires	switch	battery
------	-------	--------	---------

Which item listed above can he remove such that the bell can still ring in the circuit?

- A) bell
- B) wires
- ✓ C) switch
- D) battery

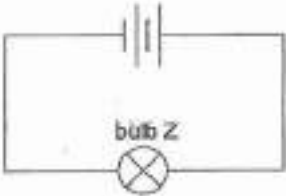
**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
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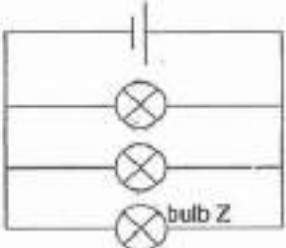
### Question 26

Primary 5 Science » Primary 5 Science (Term 4) 2 pts

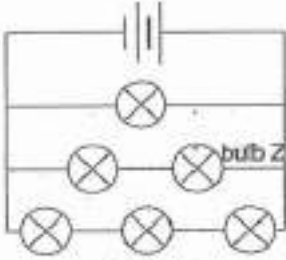
Observe the circuits below.



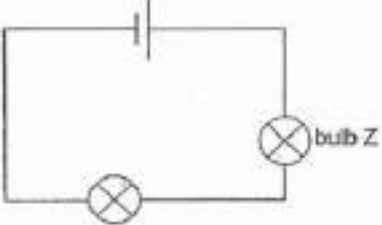
circuit J



circuit K



circuit L



circuit M

Which pair of circuits will bulb Z have the same brightness?

- A) J and L
- ✓ B) K and L
- C) K and M
- D) L and M

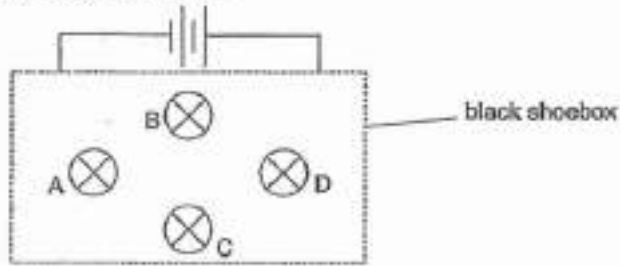
**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,228

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

### Question 27

Primary 5 Science » Primary 5 Science (Term 4) 2 pts

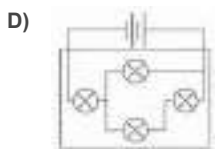
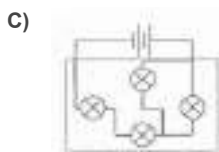
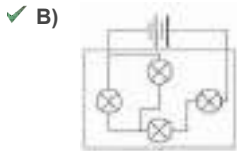
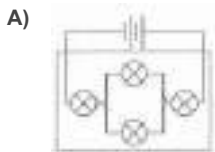
Bulbs A, B, C and D were connected in a circuit hidden in a black shoebox shown below. All the light bulbs lit up when the circuit was closed. The position of the bulbs were not changed throughout the experiment.



Jane removed one light bulb from the circuit each time and observed what happened to the rest of the bulbs. Her observations are recorded in the table below.

Bulb removed	Bulb(s) lit
A	None
B	A, C and D
C	None
D	A, B and C

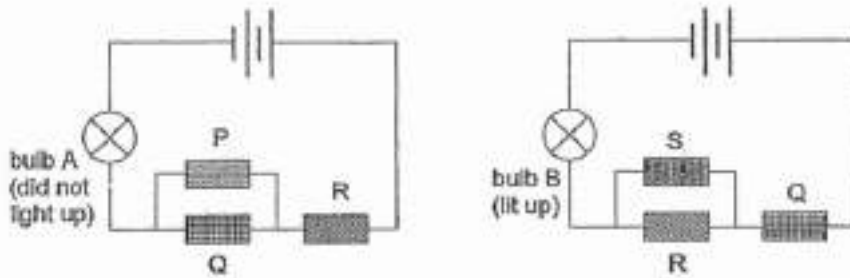
Which of the following correctly shows the circuit hidden in the shoebox?



Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Mon 30th Aug 2021  
 Last Modified: Mon 6th Sep 2021  
 QID#: 28,863,506

## Question 28

Cheryl had four rods, P, Q, R and S, made from different materials. She connected the rods in the two circuits shown below. Bulbs A and B are new and identical.



She observed that only bulb B lit up.

Which one of the following can she conclude about materials P, Q, R and S?

	Does it conduct electricity?			
	Material P	Material Q	Material R	Material S
(1)	yes	yes	no	yes
(2)	yes	no	yes	no
(3)	not possible to tell	yes	no	yes
(4)	not possible to tell	yes	no	not possible to tell

- A) 1  
 B) 2  
 ✓ C) 3  
 D) 4

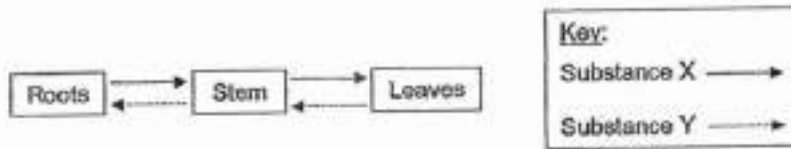
**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,508

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

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## Question 29

Ken drew a diagram below to show how substances X and Y are transported in a plant.



(a) Identify substances X and Y.

[1]

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

Accepted answers:

- ✓ water
- ✓ dissolved mineral salts

**Question Type:** Free Text  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,544

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

[Remove From Test](#)

## Question 30

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

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

Accepted answers:

- ✓ food
- ✓ sugar
- ✓ glucose

**Question Type:** Free Text  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,546

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

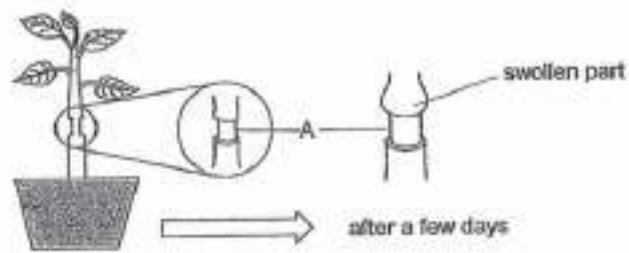
[Remove From Test](#)

## Question 31

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Ken removed an outer ring of stem at part A of the plant below. The plant was then watered daily and placed under the Sun. After a few days, he observed a swelling appearing above part A.



**(b) What is the likely reason for the swelling above part A of the plant?** [2]

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,550

**Correctly answered feedback**

The food carrying tubes are removed and food made by the leaves cannot be transported to the rest of the plants, causing the swelling above part A of the plant

**Incorrectly answered feedback**

The food carrying tubes are removed and food made by the leaves cannot be transported to the rest of the plants, causing the swelling above part A of the plant

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

[Remove From Test](#)

## Question 32

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

The diagram below shows the underside of a leaf.



**(a) Name part X.**

**Accepted answers:**

- ✓ stomata
- ✓ stoma

**Question Type:** Free Text  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,554

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

[Remove From Test](#)

## Question 33

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

State the part of the human respiratory system that has similar function to part X

**Accepted answers:**

✓ lungs

**Question Type:** Free Text  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,557

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

[Remove From Test](#)

## Question 34

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

What is the benefit of having more part X on the leaf?

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,560

### Correctly answered feedback

It allows an increased gaseous exchange to take place

### Incorrectly answered feedback

It allows an increased gaseous exchange to take place

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

[Remove From Test](#)

## Question 35

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

People need more oxygen when they are exercising than when they are resting.



(d) With reference to the diagram above, describe how having many blood vessels in the human respiratory system helps to take in more oxygen into the human body during exercise. [1]

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021



Last Modified: Mon 6th Sep 2021  
 QID#: 28,863,563

### Correctly answered feedback

There are many black vessels in the lungs which increases the surface area of contact between the air and the blood to allow more oxygen to be taken in

### Incorrectly answered feedback

There are many black vessels in the lungs which increases the surface area of contact between the air and the blood to allow more oxygen to be taken in

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

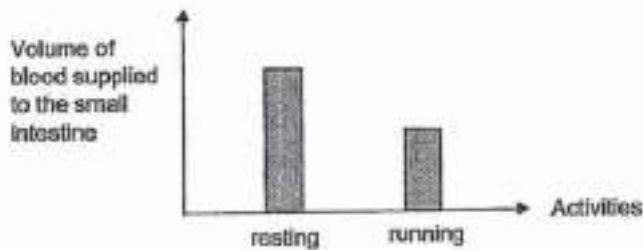
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## Question 36

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The graph below shows the results of an experiment to compare the volume of blood supplied per minute to the small intestine during resting and running.



(a) Describe how the respiratory and circulatory system ensure that oxygen in the environment reaches the small intestine of the body. [2]

Question Type: Essay  
 Date Added: Mon 30th Aug 2021  
 Last Modified: Mon 6th Sep 2021  
 QID#: 28,863,567

### Correctly answered feedback

Air is inhaled and flow to the lungs where oxygen is taken in by the blood. The heart then pump the oxygenated blood to the other parts of the body including the small intestine

### Incorrectly answered feedback

Air is inhaled and flow to the lungs where oxygen is taken in by the blood. The heart then pump the oxygenated blood to the other parts of the body including the small intestine

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

[Remove From Test](#)

## Question 37

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Based on the graph above, explain how running after a meal affects the absorption of digested food in the small intestine

Question Type: Essay  
 Date Added: Mon 30th Aug 2021  
 Last Modified: N/A  
 QID#: 28,863,571

**Correctly answered feedback**

The amount of food absorbed into the blood will decrease as the amount of blood supplied to the small intestine is slower during running

**Incorrectly answered feedback**

The amount of food absorbed into the blood will decrease as the amount of blood supplied to the small intestine is slower during running

Answers | Edit | Duplicate | Used In | Reorder

Remove From Test

**Question 38**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The table below shows the description of three cells, A, B and C.

Cell A	The cell is taken from the cheek of a monkey.
Cell B	The cell is taken from the leaf of a mango tree.
Cell C	The cell is taken from the underground roots of the same plant.

(a) Complete the table by putting a tick ( ✓ ) to indicate the cell parts present in the cell.

[2]

Cell parts	Cell A	Cell B
cell wall		
cell membrane		
cytoplasm		
nucleus		
chloroplast		

Question Type: Essay

Date Added: Mon 30th Aug 2021

Last Modified: Mon 6th Sep 2021

QID#: 28,863,576

**Correctly answered feedback**

Cell Parts	Cell A	Cell B
cell wall		✓
cell membrane	✓	✓
cytoplasm	✓	✓
nucleus	✓	✓
chloroplast		✓

**Incorrectly answered feedback**

Cell Parts	Cell A	Cell B
cell wall		✓
cell membrane	✓	✓
cytoplasm	✓	✓
nucleus	✓	✓
chloroplast		✓

Answers | Edit | Duplicate | Used In | Reorder

Remove From Test

**Question 39**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) State a difference in the cell parts found between cell B and cell C. Explain your answer

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,581

**Correctly answered feedback**

Cell B has chloroplast while Cell C does not. There is no light for chloroplast to trap to make food as the roots are found underground

**Incorrectly answered feedback**

Cell B has chloroplast while Cell C does not. There is no light for chloroplast to trap to make food as the roots are found underground

Answers | Edit | Duplicate | Used In | Reorder

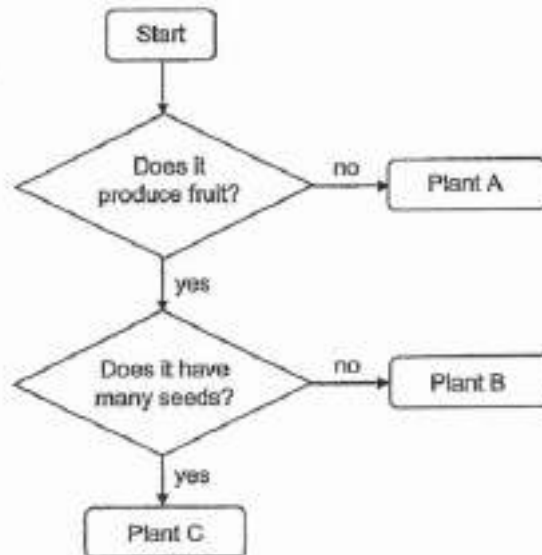
Remove From Test

**Question 40**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Study the flowchart below.



(a) Based on the flowchart above, classify the plants by filling in the letters "A", "B" and "C" in the table below. [1]

Flowering plants	Non-flowering plants

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,585

**Correctly answered feedback**

Flowering plants: B,C  
 Non- flowering plants: A

**Incorrectly answered feedback**

Flowering plants: B,C  
 Non- flowering plants: A

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

## Question 41

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) State the difference in how plant A and B reproduce

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,589

### Correctly answered feedback

A reproduce by spores while B reproduce by seeds

### Incorrectly answered feedback

A reproduce by spores while B reproduce by seeds

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

## Question 42

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) Plant C produces many seeds within its fruit  
How does have more seeds help plant C?

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,596

### Correctly answered feedback

Having more seeds increases the chances for germination/ increase the chances that plant C had continuity of its own kind/ decrease the chances of extinction

### Incorrectly answered feedback

Having more seeds increases the chances for germination/ increase the chances that plant C had continuity of its own kind/ decrease the chances of extinction

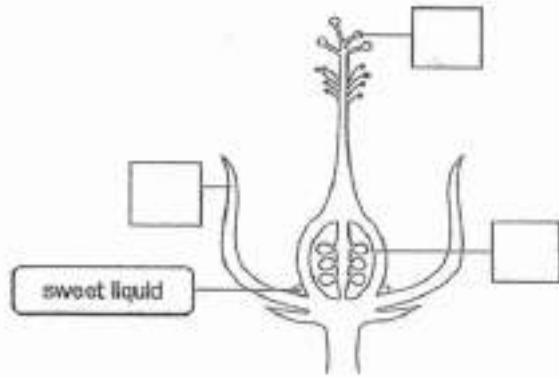
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)

## Question 43

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

A hibiscus flower produces a sweet liquid at the base of the flower as shown below.



(a) Select the part where pollination takes place by placing a tick [✓] in the box. [1]

**Question Type:** Essay

**Date Added:** Mon 30th Aug 2021

**Last Modified:** Mon 6th Sep 2021

**QID#:** 28,863,603

**Correctly answered feedback**



**Incorrectly answered feedback**



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

[Remove From Test](#)

## Question 44

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

State the reproduction process that will occur immediately after pollination

**Accepted answers:**

✓ fertilisation

**Question Type:** Free Text

**Date Added:** Mon 30th Aug 2021

**Last Modified:** N/A

**QID#:** 28,863,605

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

[Remove From Test](#)

## Question 45

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The diagrams below show how birds A and B obtain the sweet liquid for food from the hibiscus flower.



- (c) Which bird, A or B, is most likely to pollinate the hibiscus flower? Explain your answer.

[2]

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,613

**Correctly answered feedback**

Bird A. When bird A collect the sweet liquid, the body of bird A touches the anther of the hibiscus flower which helps to transfer the pollen grains to the stigma of the hibiscus flower

**Incorrectly answered feedback**

Bird A. When bird A collect the sweet liquid, the body of bird A touches the anther of the hibiscus flower which helps to transfer the pollen grains to the stigma of the hibiscus flower

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

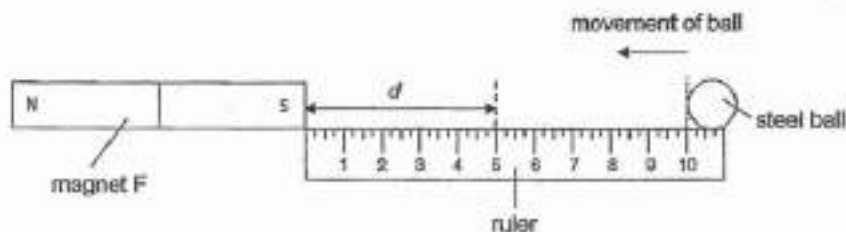
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## Question 46

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Bala set up an experiment as shown. He moved the steel ball slowly from the 10 cm mark along the ruler towards magnet F. He recorded the distance,  $d$ , at the point where the magnet attracts the steel ball. He repeated the experiment using magnets G and H.



The table shows the results for all the three magnets, F, G and H.

Magnet	Distance $d$ (cm)
F	5
G	9
H	7

- (a) Why did the steel ball get attracted to the magnet?

[1]

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,622

**Correctly answered feedback**

The steel ball is magnetic material and magnets attract magnetic materials

**Incorrectly answered feedback**

The steel ball is magnetic material and magnets attract magnetic materials

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

[Remove From Test](#)

**Question 47**

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

Match the options below according to the magnetic strength:

Clue	Match
F	weakest
H	neutral
G	strongest

**Question Type:** Matching  
**Grade style:** Full points if all answers are correct  
**Shuffle Mode:** Shuffle Matches Only  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,626

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

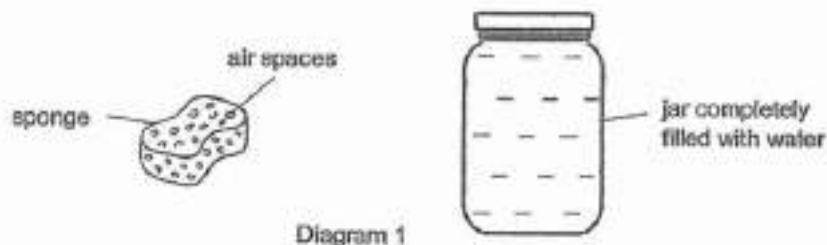
[Remove From Test](#)

**Question 48**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Bennett filled a jar completely with water as shown in the diagram. He decided to add a 50 cm<sup>3</sup> sponge into the jar of water.



(a) In terms of properties of matter, state a property of air. [1]

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,632

**Correctly answered feedback**

Air can be compressed/ Air does not have a definite shape/ Air has no definite volume/ Air has mass

**Incorrectly answered feedback**

Air can be compressed/ Air does not have a definite shape/ Air has no definite volume/ Air has mass

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

[Remove From Test](#)

**Question 49**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Bennett slowly pushed the sponge into the jar until it is completely submerged as shown in diagram 2.

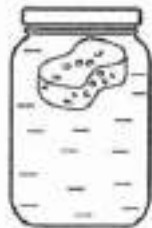


Diagram 2

He realised that only 20 cm<sup>3</sup> of water overflowed out of the jar.

- (b)** In terms of properties of matter, explain clearly why the volume of water that overflowed out was less than the volume of the sponge added in. [2]

**Question Type:** Essay

**Date Added:** Mon 30th Aug 2021

**Last Modified:** Mon 6th Sep 2021

**QID#:** 28,863,638

**Correctly answered feedback**

There are spaces in the sponge and some of the water occupied the air spaces/ in the sponge

**Incorrectly answered feedback**

There are spaces in the sponge and some of the water occupied the air spaces/ in the sponge

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

[Remove From Test](#)

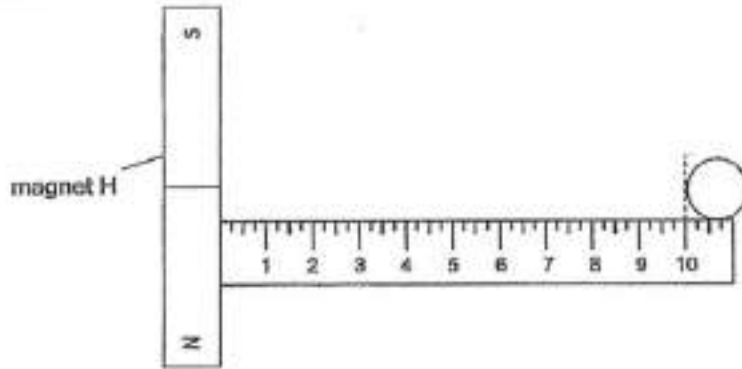
**Question 50**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts



Bala decided to use the middle of Magnet H for the experiment as shown below.



- e) State a distance at which the steel ball will be attracted to magnet H. Explain your answer.

[1]

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,672

**Correctly answered feedback**

0.1-6.9cm  
 Magnets are weakest in the middle (so it needs a nearer distance to attract the ball)

OR

Magnets are strongest at its poles

**Incorrectly answered feedback**

0.1-6.9cm  
 Magnets are weakest in the middle (so it needs a nearer distance to attract the ball)

OR

Magnets are strongest at its poles

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

[Remove From Test](#)

## Question 51

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

- d) Bala repeated the experiment a few times. State a reason for repeating this experiment a few times

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,675

**Correctly answered feedback**

To ensure that the results is reliable

**Incorrectly answered feedback**

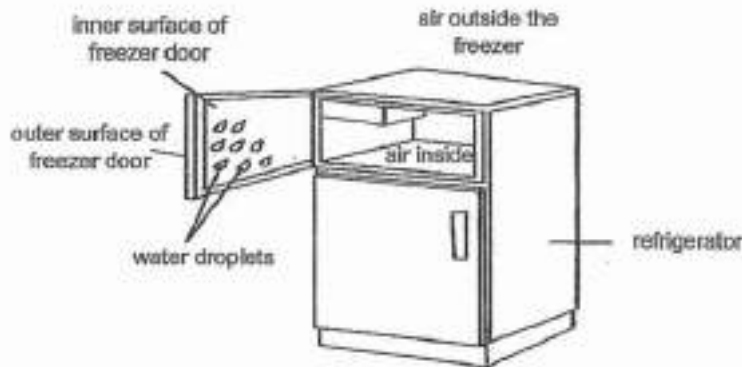
To ensure that the results is reliable

**Question 52**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Peter opened the freezer door of a refrigerator. He observed some water droplets forming on the inner surface of the freezer door after a few minutes but not the outer surface of the freezer door.



(a) Based on the above information, explain how the water droplets were formed. [2]

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,682

**Correctly answered feedback**

The water vapour in the air outside the freezer loses heat to the cooler inner surface of the freezer door and condenses to water droplets

**Incorrectly answered feedback**

The water vapour in the air outside the freezer loses heat to the cooler inner surface of the freezer door and condenses to water droplets

**Question 53**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) State a reason why water droplets were found on the inside of the freezer but not on the outside of the freezer door.

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,691

**Correctly answered feedback**

There is a temperature difference between the inner surface of the freezer door and the water vapour outside the fridge but the temperature of the outer surface of the freezer door and the water vapour outside the fridge is the same

**Incorrectly answered feedback**

There is a temperature difference between the inner surface of the freezer door and the water vapour outside the fridge but the temperature of the outer surface of the freezer door and the water vapour outside the fridge is the same

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

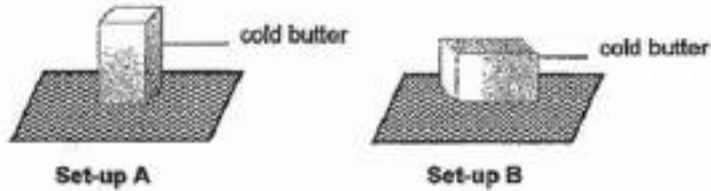
[Remove From Test](#)

## Question 54

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Mary set up an investigation to find out how the surface area of a block of cold butter in contact with a metal sheet will affect how fast the butter melted.



(a) State the changed variable in Mary's investigation.

[1]

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,695

### Correctly answered feedback

The surface area of the butter in contact with the metal sheet

### Incorrectly answered feedback

The surface area of the butter in contact with the metal sheet

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

[Remove From Test](#)

## Question 55

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) State two variables Mary should keep the same in her investigation

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,705

### Correctly answered feedback

type/ shape/ size of butter  
 thickness/material/ type/ size/ temperature of metal sheet  
 time or duration of experiment  
 temperature of surroundings

### Incorrectly answered feedback

type/ shape/ size of butter  
 thickness/material/ type/ size/ temperature of metal sheet  
 time or duration of experiment  
 temperature of surroundings

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

[Remove From Test](#)

## Question 56

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) Mary observed that the butter in set-up B took a shorter time to melt completely. Explain the reason for her observation

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,709

### Correctly answered feedback

Butter B gain more heat / gain faster from the metal sheet as it has a larger/more/greater surface area in contact with the metal sheet

### Incorrectly answered feedback

Butter B gain more heat / gain faster from the metal sheet as it has a larger/more/greater surface area in contact with the metal sheet

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

[Remove From Test](#)

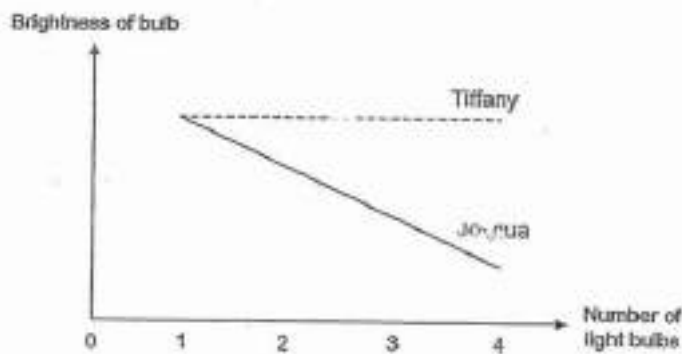
## Question 57

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Joshua and Tiffany each set up an electrical circuit using new and identical batteries and bulbs.

They added one more light bulb to the circuit each time and measured the brightness of the bulbs. The following graph shows their observations.



(a) What was the aim of their experiment?

[1]

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,716

### Correctly answered feedback

To find out if the number of light bulbs would affect the brightness of the light bulbs in an electrical circuit/ To find out if the arrangement of light bulbs would affect the brightness of the bulbs

### Incorrectly answered feedback

To find out if the number of light bulbs would affect the brightness of the light bulbs in an electrical circuit/ To find out if the arrangement of light bulbs would affect the brightness of the bulbs

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

[Remove From Test](#)

## Question 58

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) State the relationship between the brightness of the bulb and the number of the light bulbs in Joshua's experiment.

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,727

### Correctly answered feedback

When the number of light bulbs increased the brightness of the light bulbs decreased

### Incorrectly answered feedback

When the number of light bulbs increased the brightness of the light bulbs decreased

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

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## Question 59

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

(c) In the space below, draw the electrical circuit that Joshua and Tiffany have set up for their experiment based on the information provided in the graph on page 13.

Use exactly two batteries, three light bulbs and wires for each circuit diagram. [2]



Question Type: Essay  
 Date Added: Mon 30th Aug 2021  
 Last Modified: Mon 6th Sep 2021  
 QID#: 28,863,733

Correctly answered feedback



Incorrectly answered feedback



Answers | Edit | Duplicate | Used In | Reorder

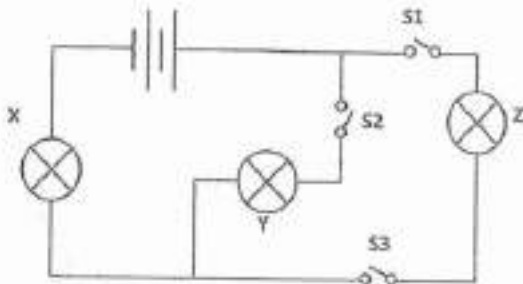
Remove From Test

Question 60

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Yong Quan set up the circuit shown below with new and identical batteries and bulbs.



- (a) Based on the information given, write "open" or "closed" in the table below to indicate the position of the switches S1, S2 and S3. [2]

Switch			Will the bulb light up?		
S1	S2	S3	X	Y	Z
			yes	no	yes
			yes	yes	yes

Yong Quan decided to add block P into the circuit. As a result, all the bulbs did not light up.

Question Type: Essay  
 Date Added: Mon 30th Aug 2021  
 Last Modified: Mon 13th Sep 2021  
 QID#: 28,863,763

Correctly answered feedback

Switch			Will the bulb light up?		
S1	S2	S3	X	Y	Z
closed	open	closed	yes	no	yes
closed	closed	closed	yes	yes	yes

*Incorrectly answered feedback*

Switch			Will the bulb light up?		
S1	S2	S3	X	Y	Z
closed	open	closed	yes	no	yes
closed	closed	closed	yes	yes	yes

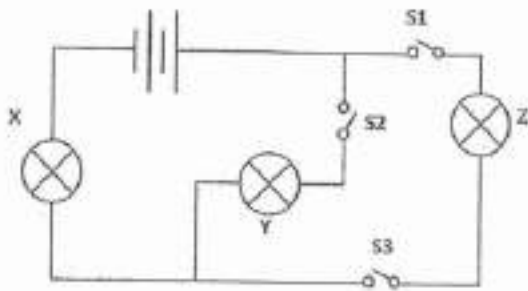
[Answers](#) | 
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### Question 61

Primary 5 Science » Primary 5 Science (Term 4)

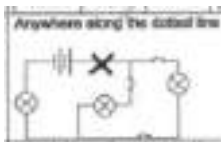
0 pts



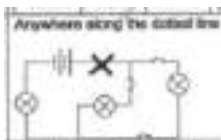
b) In the circuit above, mark a cross (X) on the part of the circuit to indicate where he might have placed block P

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** Mon 6th Sep 2021  
**QID#:** 28,863,777

*Correctly answered feedback*



*Incorrectly answered feedback*



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## Question 62

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) Name a material that block P could be made of. Explain why block P caused all bulbs to not light up

**Question Type:** Essay  
**Date Added:** Mon 30th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,863,789

### Correctly answered feedback

wood (any other electrical insulators)

As wood is an electrical insulator, no electric can flow through to the rest of the circuit to light up the bulbs/ the circuit will be open

### Incorrectly answered feedback

wood (any other electrical insulators)

As wood is an electrical insulator, no electric can flow through to the rest of the circuit to light up the bulbs/ the circuit will be open

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