



 **(2020) Primary 5 Science (Term 4) - Raffles** 

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Test Questions

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**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 characteristics of organisms A and B are shown in the table below.

Characteristic	Organism	
	A	B
Has spores	Yes	Yes
Makes its own food	No	Yes

Which of the following organisms are A and B?

	A	B
(1)	fern	mushroom
(2)	moss	tomato plant
(3)	mushroom	fern
(4)	tomato plant	moss

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#:** 28,838,431

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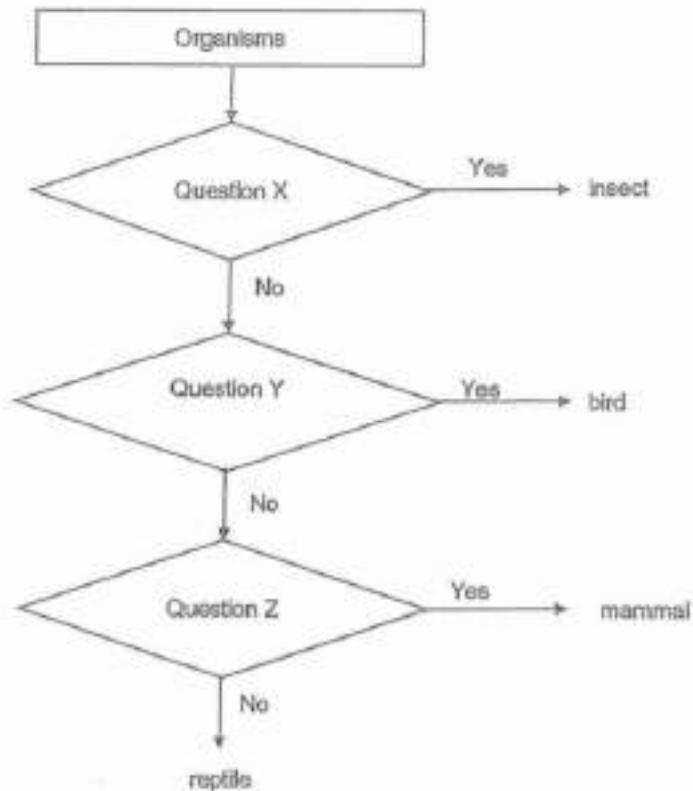
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## Question 2

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The flow chart below shows how organisms A, B, C and D are grouped.



Which of the following is correct?

	Question X	Question Y	Question Z
(1)	Does it have hard outer covering?	Does it have a beak?	Does it lay eggs?
(2)	Does it have wings?	Does it have hard outer covering?	Does it lay eggs?
(3)	Does it have feathers?	Does it have wings?	Does it give birth to young alive?
(4)	Does it have six legs?	Does it have feathers?	Does it give birth to young alive?

- 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#:** 28,838,435

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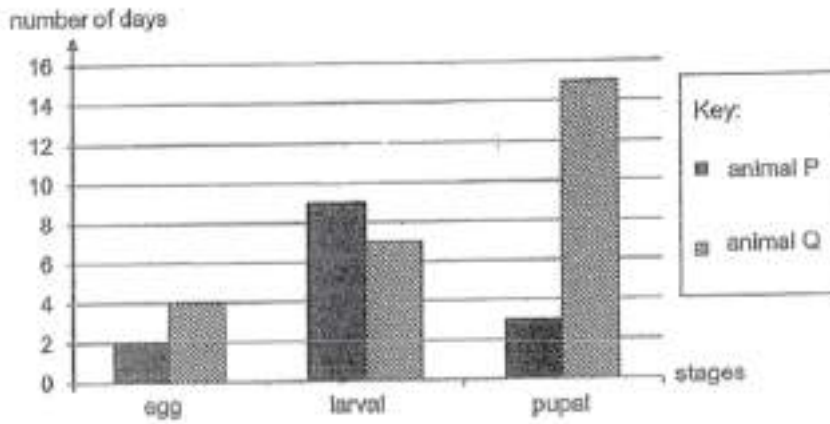
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### Question 3

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The graph below shows the number of days spent in each stage of life cycle of animals P and Q.



Based on the graph above, on which day will animals P and Q start the stage where they feed the most respectively?

	Animal P	Animal Q
(1)	2 <sup>nd</sup> day	4 <sup>th</sup> day
(2)	3 <sup>rd</sup> day	5 <sup>th</sup> day
(3)	8 <sup>th</sup> day	7 <sup>th</sup> day
(4)	12 <sup>th</sup> day	8 <sup>th</sup> day

- A) 1  
 ✓ B) 2  
 C) 3  
 D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
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**QID#:** 28,838,438

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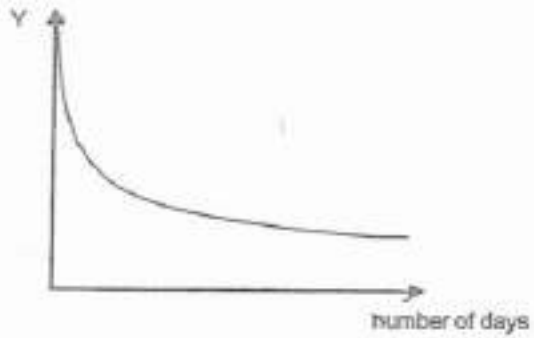
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### Question 4

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Study the graph below on the change observed during seed germination.



What could Y represent?

- A) Mass of the seedling
- B) Height of the seedling
- ✓ C) Mass of the seed leaf
- D) length of the roots

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,451

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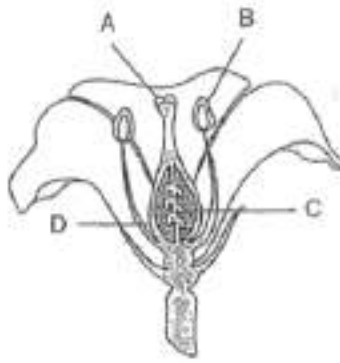
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## Question 5

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Lucy conducted an experiment using two insect-pollinated flowers, X and Y, from the same plant. The diagram below shows the cross-section of one of the flowers. A, B, C and D are parts of the flower.



cross-section of the flower

She removed a part from flower X and another part from flower Y. She observed the development of the flower over time and recorded it in the table below.

Flower	Development of fruit
X	yes
Y	no

Which of the following shows the parts removed from the flowers?

	Flower X	Flower Y
(1)	A	B
(2)	C	D
(3)	C	B
(4)	B	D

- 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  
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## Question 6

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Diagram 1 below shows the distribution of the plants C, D and E on a piece of land.

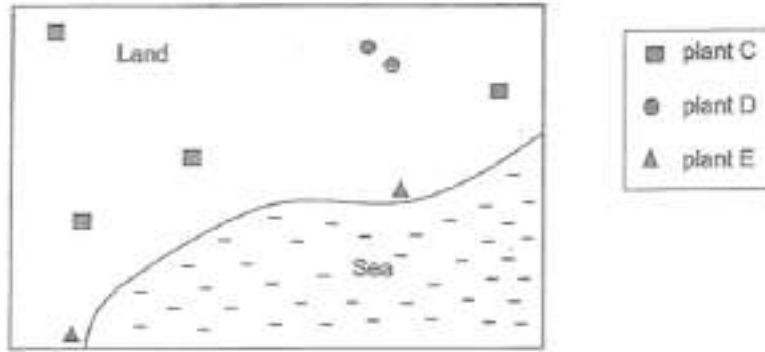


Diagram 1

Diagram 2 below shows the number of plants on the same piece of land after one year.

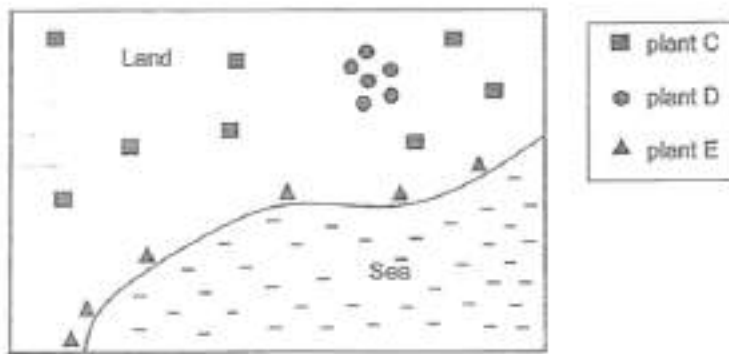


Diagram 2

Which of the following shows the correct methods of seeds dispersal for plants C, D and E?

	Plant C	Plant D	Plant E
(1)	splitting	animals	wind
(2)	wind	water	animals
(3)	animals	splitting	water
(4)	water	wind	splitting

- 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#: 28,838,458

The diagram below shows a plant growing in the soil.



Based on the observation above, which of the following statement(s) about the plant is/are correct?

- (A) It has a weak stem.
- (B) It can make its own food.
- (C) It reproduces by spores.

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
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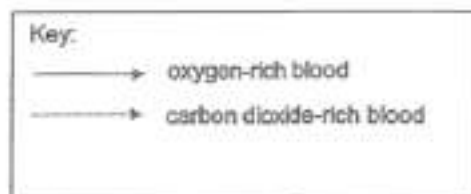
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## Question 8

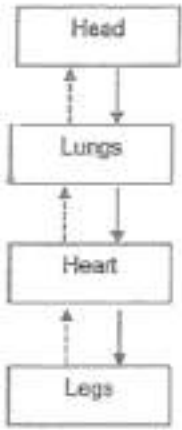
Primary 5 Science » Primary 5 Science (Term 4)

2 pts

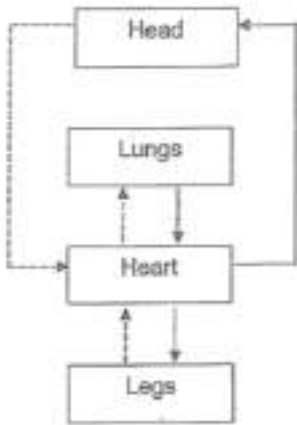
Which of the following correctly represents the direction of blood flow to certain parts of the human body?



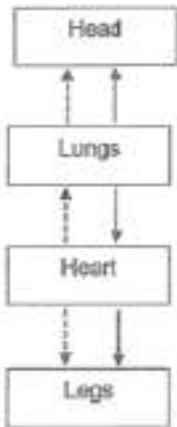
A)



✓ B)

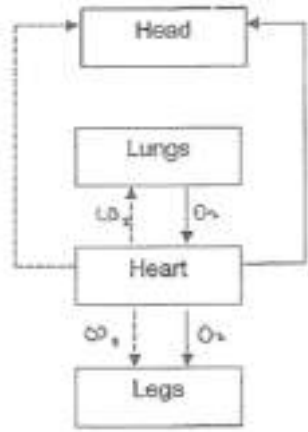


C)



D)





**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
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**QID#:** 28,838,465

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### Question 9

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram below shows a person swimming in the pool.



Which of the following shows the systems required to work together to enable him to swim?

	Systems				
	Digestive	Circulatory	Respiratory	Muscular	Skeletal
(1)				✓	✓
(2)		✓	✓		✓
(3)	✓		✓		✓
(4)	✓	✓	✓	✓	✓

- 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#:** 28,838,469

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## Question 10

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The table below shows the presence of the part(s) in three cells, X, Y and Z indicated by the tick (✓).

Part	X	Y	Z
Nucleus	✓	✓	
Cytoplasm	✓	✓	✓
Chloroplast			
Cell wall	✓		
Cell membrane	✓	✓	✓

Which of the following is/are animal cells?

- A) X only
- B) Y only
- ✓ C) Y and Z only
- D) X, Y and Z only

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,472

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## Question 11

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Which of the following statements state the difference between the inhaled and exhaled air from a human at room temperature correctly?

- A Inhaled air is cooler than exhaled air
- B Exhaled air has less oxygen than inhaled air
- C Inhale air has less water vapour than exhaled air
- D Exhaled air has more dust particles than inhaled air

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No

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## Question 12

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Mei Yee conducted an experiment to find out the rate of heartbeats in three different animals P, Q and R. She used a live and dead specimens of each animal in her investigation. Then she recorded her findings in the table below.

Animals	P	P	Q	Q	R	R
Live or Dead	Live	Dead	Live	Dead	Live	Dead
Mass (kg)	1	1	5	5	90	90
Number of heartbeats per minute	205	0	192	0	60	0

Based on her findings, which of the following statements are true?

- A There is no heartbeat in a dead animal.
- B Live animal P has the greatest number of heartbeats per minute.
- C The greater the mass of a live animal, the fewer the number of heartbeats per minute.

- A) A 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: Fri 27th Aug 2021  
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## Question 13

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The following table compares the human circulatory system and the plant transport system.

	Plant transport system	Human circulatory system
A	The water transport system extend from the roots to the other parts of the plant.	The circulatory system involves the heart pumping blood to the different parts of the body.
B	Oxygen is taken in through the chloroplasts.	Gaseous exchange occurs in the lungs.
C	Food is transported from the leaves to the rest of the plant by the food-carrying tubes.	The blood vessels transport oxygen-rich blood, digested food and water to the rest of the body.

Which of the following statements are correct?

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

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Fri 27th Aug 2021  
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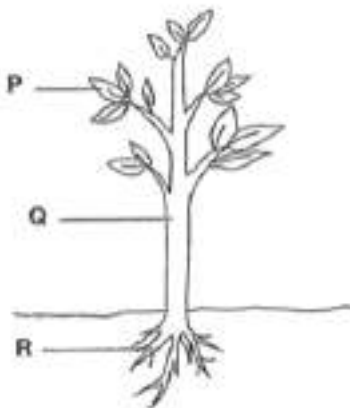
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## Question 14

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram shows parts of a plant P, Q and R.



Which of the following part(s) of the plant contain(s) water-carrying tubes?

- A) R only
- B) P and Q only
- C) Q and R only

✓ D) P, Q and R

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,498

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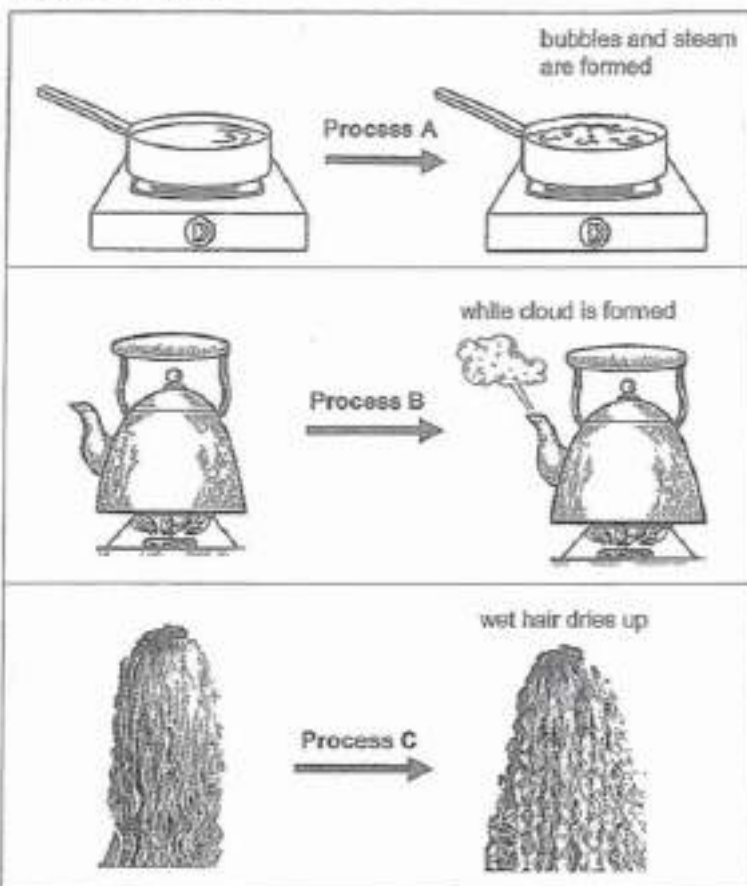
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## Question 15

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagrams below show some processes involved when water changes from one state to another.



What are processes A, B and C?

	Process A	Process B	Process C
(1)	Boiling	Condensation	Evaporation
(2)	Evaporation	Condensation	Boiling
(3)	Condensation	Boiling	Evaporation
(4)	Evaporation	Melting	Boiling

✓ A) 1

B) 2

C) 3

D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
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**QID#:** 28,838,502

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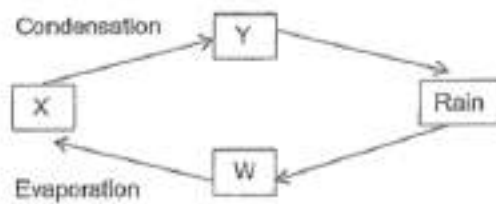
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## Question 16

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram below shows the water cycle. The arrows represent different processes in a water cycle.



At which stage(s), W, X or Y, in the water cycle, is water in the liquid state?

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
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**QID#:** 28,838,504

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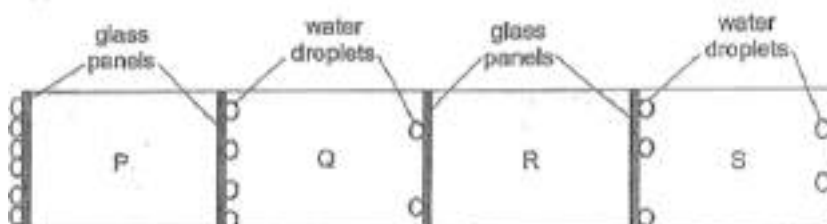
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## Question 17

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Four rooms, P, Q, R and S, were separated by glass panels. Water droplets appeared on the different sides of the glass panels as shown in the diagram below.



In which room was the temperature the lowest?

- ✓ A) P
- B) Q
- C) R
- D) S

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,508

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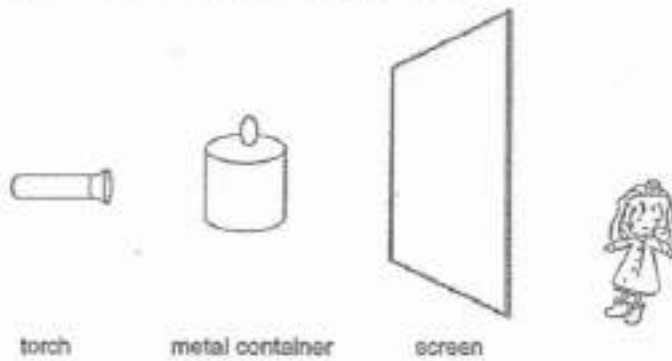
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## Question 18

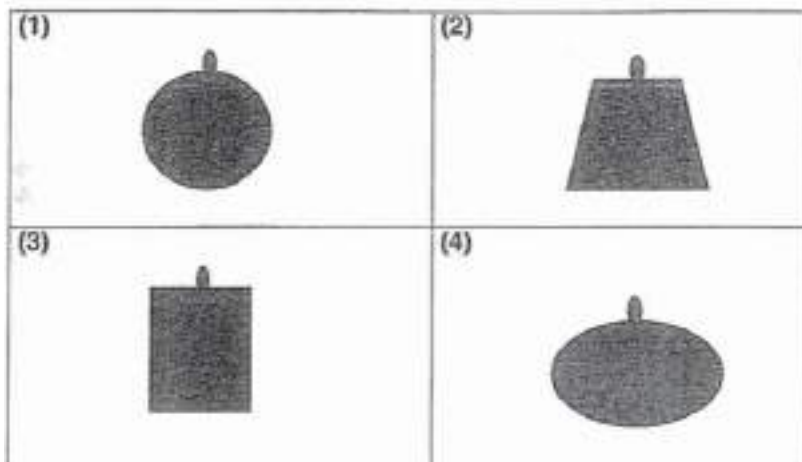
Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Azlin shines a torch on the metal container as shown below.



Which one of the following shows the shadow of the metal container cast on the screen?



- A) 1
- B) 2
- ✓ C) 3
- D) 4

**Question Type:** Multiple Choice  
**Randomize Answers:** No

Date Added: Fri 27th Aug 2021  
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 QID#: 28,838,513

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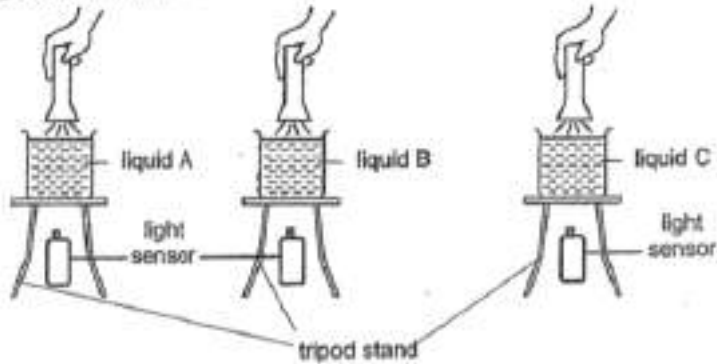
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## Question 19

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

She placed 200 ml of different liquids, A, B and C, in three identical beakers. She then placed each beaker on identical tripod stands and shone the identical torch through each of them.



She recorded the amount of light detected by the light sensor in the table below:

Amount of light (lux)		
Liquid A	Liquid B	Liquid C
100	500	0

Based on the above results, arrange the liquids A, B and C starting with the one that allows most light to pass through.

(1)	liquid B	liquid A	liquid C
	most light can pass through		least light can pass through
(2)	liquid B	liquid C	liquid A
	most light can pass through		least light can pass through
(3)	liquid C	liquid A	liquid B
	most light can pass through		least light can pass through
(4)	liquid C	liquid B	liquid A
	most light can pass through		least light can pass through

- ✓ 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  
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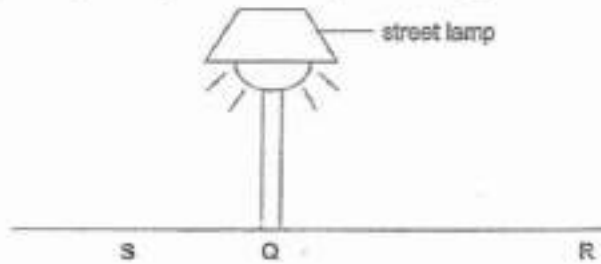
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## Question 20

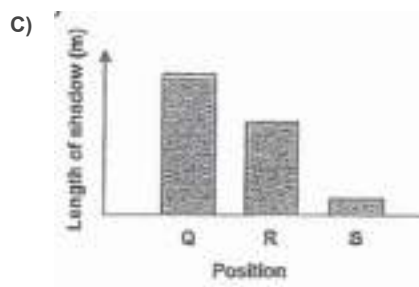
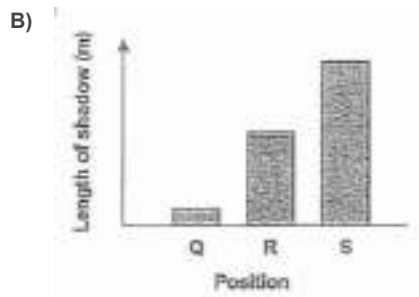
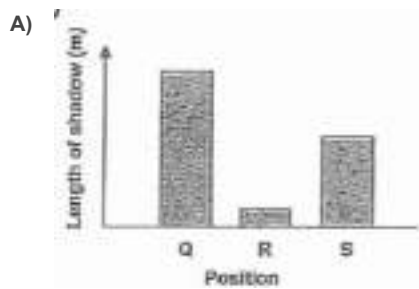
Primary 5 Science » Primary 5 Science (Term 4)

2 pts

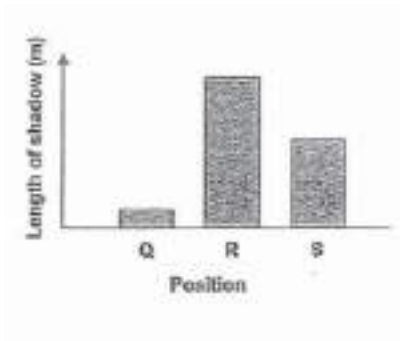
Raju walked past a lighted street lamp on a dark night.



Which of the following graphs best represents the changes in the length of Raju's shadow when he was at positions Q, R and S, respectively?



✓ D)



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
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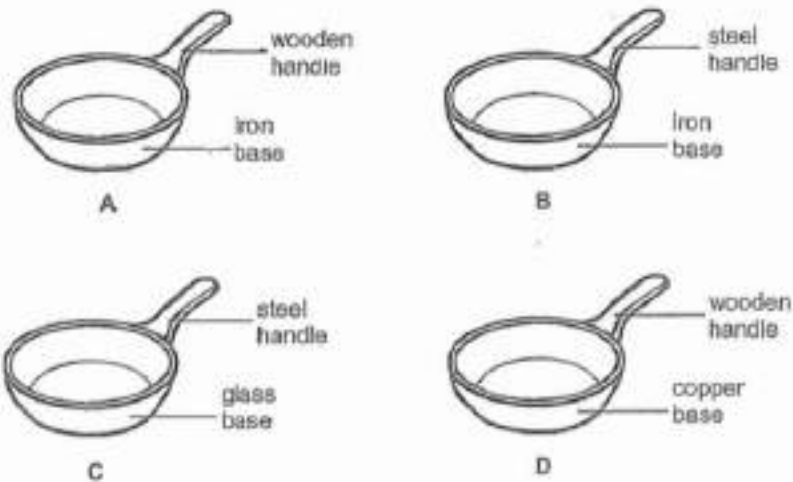
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## Question 21

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Four pans of the same size are shown below.



Which two pans can be used to show that steel is a better conductor of heat?

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
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**QID#:** 28,838,529

**Question 22**

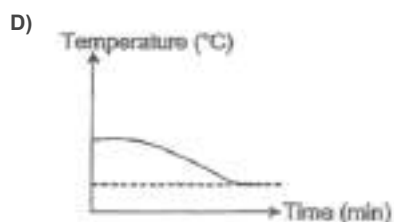
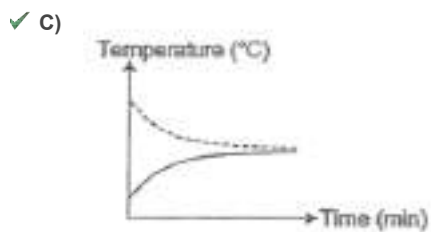
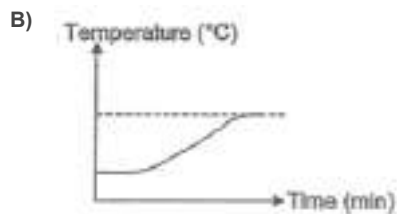
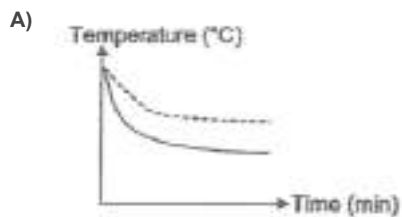
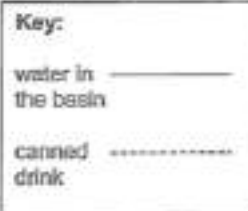
Primary 5 Science » Primary 5 Science (Term 4)

2 pts

A canned drink, at room temperature, is placed into a basin of water at 10°C as shown below.



Which of the following graphs represent the changes in the temperatures of the liquids in the basin and in the can?



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
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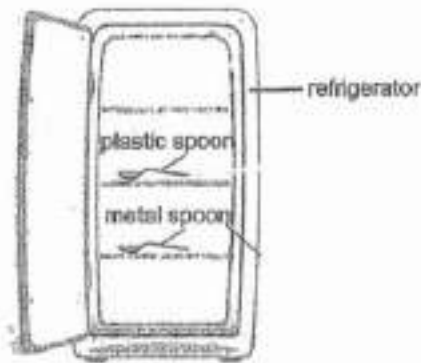
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## Question 23

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Jill placed a plastic spoon and a metal spoon in a refrigerator overnight. When she removed both spoons at the same time, the metal spoon felt colder than the plastic spoon.



Which of the following explains why her hands felt that the metal spoon was colder than the plastic spoon?

- A The temperature of the metal spoon was lower than the plastic spoon.
- B Jill's hand lost heat to the metal spoon more quickly than to the plastic spoon.
- C The heat from the plastic spoon was conducted to Jill's hand more quickly.

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
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**QID#:** 28,838,544

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## Question 24

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Don wanted to find out how the arrangement of bulbs in a circuit affects the brightness of the bulbs. Which variables should he keep the same for a fair experiment?

- A Number of bulbs
- B Brightness of bulbs
- C Number of batteries
- D Arrangement of bulbs

- ✓ A) A and C only
- B) B and D only
- C) A, C and D 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#:** 28,838,554

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

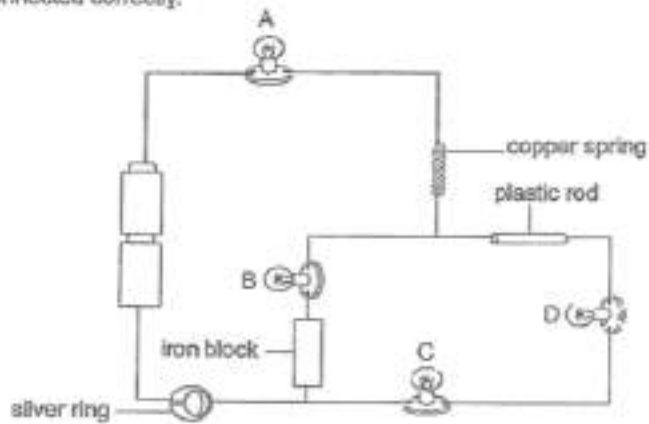
[Remove From Test](#)

## Question 25

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram below shows four bulbs, A, B, C and D, in a circuit that is connected correctly.



Which of the following bulbs will **not** light up?

- A) A and B only
- ✓ B) C and D only
- C) A, C, D 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#:** 28,838,558

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

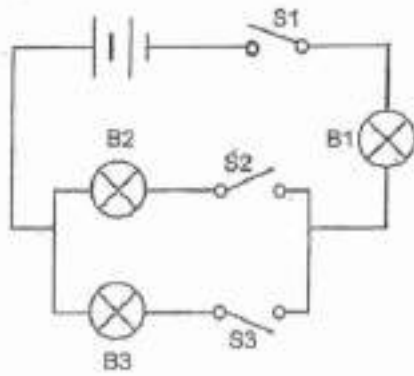
[Remove From Test](#)

## Question 26

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Identical batteries and bulbs are used to set up the circuit below.



Which one of the following statements about the circuit is correct?

- ✓ A) B1 will light up when either B2 or B3 is lighted
- B) At least one bulb will light up when only S1 is closed
- C) Electricity will flow through the circuit as long as one switch is closed
- D) Electricity will flow through the circuit only when all the switches are closed

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Fri 27th Aug 2021  
 Last Modified: N/A  
 QID#: 28,838,565

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

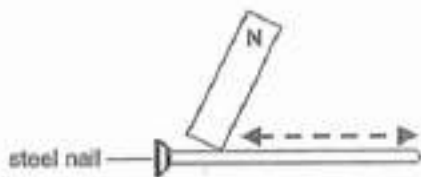
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## Question 27

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

June was trying to make a temporary magnet with a steel nail. She held a magnet on the N-pole and moved it up and down along the nail as shown by the arrows below.



When she placed the steel nail near some pins, nothing happens. What could be the reason?

- A) She used electricity to make the magnet
- B) She used a nail made of non magnetic material
- C) She used the wrong pole of the magnet to stroke the nail
- ✓ D) She did not stroke the steel nail repeatedly in one direction

Question Type: Multiple Choice  
 Randomize Answers: No

Date Added: Fri 27th Aug 2021  
 Last Modified: N/A  
 QID#: 28,838,598

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

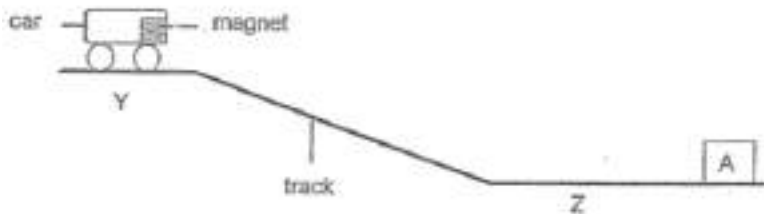
[Remove From Test](#)

## Question 28

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Rina set up an experiment as shown below. When she released the car from Y, the car travelled down the track and then moved a short distance backwards before stopping at Z. The car did not touch object A at the end of the track.



When she placed object B at the end of the track and released the car from Y, the car moved towards object B and was attached to it.



Based on the information above, what could objects A and B possibly be?

	A	B
(1)	iron block	plastic block
(2)	bar magnet	steel block
(3)	wooden block	iron block
(4)	electromagnet	copper block

- 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#: 28,838,603

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

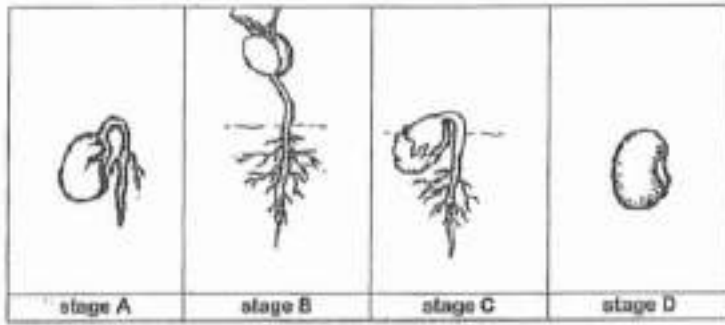
[Remove From Test](#)

## Question 29

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

The diagram below shows the various stages of process R taking place in the life cycle of a plant.



(a) Name process R. [1]

**Accepted answers:**

✓ germination

*Question Type:* Free Text  
*Date Added:* Fri 27th Aug 2021  
*Last Modified:* N/A  
*QID#:* 28,838,611

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

### Question 30

Primary 5 Science » Primary 5 Science (Term 4) 1 pt

Match the options below in the correct order of growth :

Clue	Match
D	1
A	2
C	3
B	4

*Question Type:* Matching  
*Grade style:* Full points if all answers are correct  
*Shuffle Mode:* Shuffle Matches Only  
*Date Added:* Fri 27th Aug 2021  
*Last Modified:* N/A  
*QID#:* 28,838,620

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

### Question 31

Primary 5 Science » Primary 5 Science (Term 4) 1 pt

Choose the conditions needed for process R to take place

✓ A) water



- B) sunlight
- ✓ C) air
- ✓ D) warmth

**Question Type:** Multiple Response  
**Randomize Answers:** No  
**Grade style:** Full points if all answers are correct  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,627

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

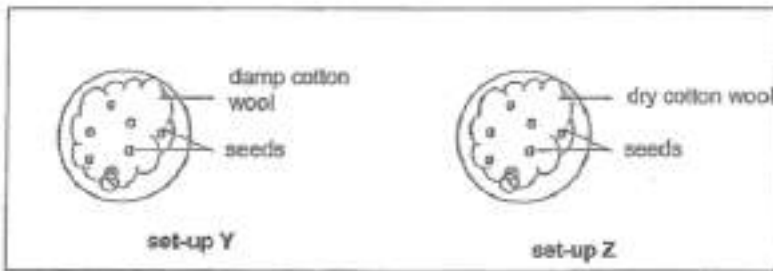
[Remove From Test](#)

## Question 32

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Cheryl prepared two identical plates containing an equal number of seeds. Each plate had an equal amount of cotton wool. The cotton wool in set-up Y was damp while the one in set-up Z was dry as shown in the diagrams below. Only set-up Y was watered daily.



Cheryl placed both set-ups, Y and Z, in an enclosed cupboard for three weeks.

After three weeks, Cheryl noticed that young seedlings which developed in only one of the set-ups had died.

- (d) In which set-up did the young seedlings die at the end of the experiment? Explain your answer. [2]

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,638

### Correctly answered feedback

Set up Y. The young seedlings did not receive sunlight as they were in a dark cupboard. Hence, they were unable to make their own food without light

### Incorrectly answered feedback

Set up Y. The young seedlings did not receive sunlight as they were in a dark cupboard. Hence, they were unable to make their own food without light

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

[Remove From Test](#)

## Question 33

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Emily found a flower of plant M. She noticed that the reproductive parts of the flower were hidden in the flower as shown below.



flower of plant M

(a) In what way is this flower most likely to be pollinated by?

[1]

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,643

**Correctly answered feedback**

by insects

**Incorrectly answered feedback**

by insects

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

[Remove From Test](#)

## Question 34

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

She recorded her observations based on four characteristics of the flower of plant M in a table.

Circle the characteristics most likely to be present in the flower of plant M. [2]

	Characteristics	
Colour of flower	bright and colourful	dull and white
Size of petals	small	large
Smell of flower	no smell	strong smell
Texture of stigma	feathery	sticky

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021

Last Modified: N/A  
QID#: 28,838,654

**Correctly answered feedback**

- Bright and colourful
- Large
- Strong smell
- Sticky

**Incorrectly answered feedback**

- Bright and colourful
- Large
- Strong smell
- Sticky

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

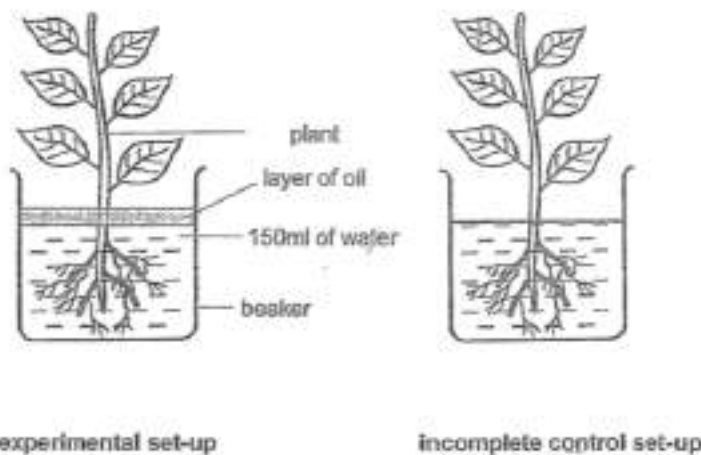
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**Question 35**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Mrs Lim wanted her students to find out if the roots of a plant look in water. She prepared two set-ups as shown below.



- (a) Without removing any part(s) of the plant in the incomplete control set-up, **draw and label in the diagram below two changes** that need to be made to the control set-up to complete it. [2]

Question Type: Essay  
Date Added: Fri 27th Aug 2021  
Last Modified: N/A  
QID#: 28,838,663

**Correctly answered feedback**

- \* Draw a layer of oil, and a plastic bag wrapping all the roots\*

**Incorrectly answered feedback**

- \* Draw a layer of oil, and a plastic bag wrapping all the roots\*

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

[Remove From Test](#)

**Question 36**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts



(b) State the purpose of the completed control set-up in (a). [1]

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,684

**Correctly answered feedback**

To compare and confirm that any change in water level in the set up is only due to the presence of roots and not due to water evaporating

**Incorrectly answered feedback**

To compare and confirm that any change in water level in the set up is only due to the presence of roots and not due to water evaporating

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

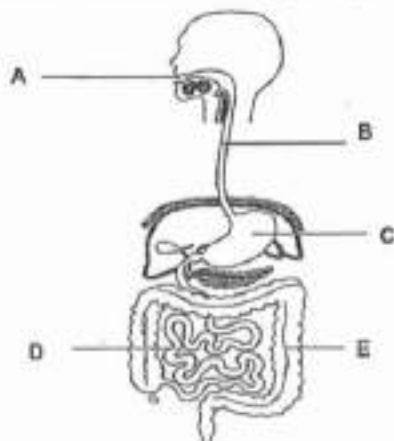
[Remove From Test](#)

## Question 37

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The diagram below shows the human digestive system.



(a) Circle the correct letter in the diagram above that represents the part of the system where digestion is completed. [1]

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,686

**Correctly answered feedback**

D

**Incorrectly answered feedback**

D

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 38**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Describe how the human digestive system and circulatory system work together to provide energy needed by the body

i. Human digestive system

ii. Human circulatory system

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,699

**Correctly answered feedback**

i. Food is broken down into simpler substances and absorbed into the bloodstream

ii. The digested food is transported to all parts of the body

**Incorrectly answered feedback**

i. Food is broken down into simpler substances and absorbed into the bloodstream

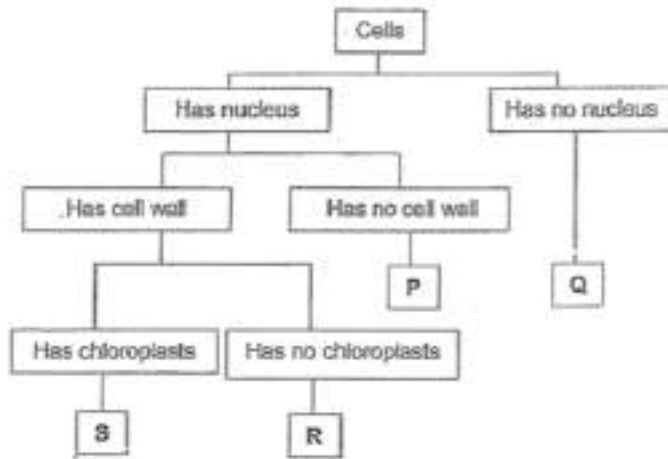
ii. The digested food is transported to all parts of the body

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 39**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The flow chart below shows the classification of cells.



Based on the information above, answer the following questions.

(a) State one difference between cells Q and S.

[1]

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,704

**Correctly answered feedback**

Cell Q does not have a nucleus but cell S has

**Incorrectly answered feedback**

Cell Q does not have a nucleus but cell S has

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

[Remove From Test](#)

## Question 40

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Which cell P, Q, R or S is likely to be a root cell? Give a reason for your answer

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,710

**Correctly answered feedback**

Cell R. A root cell has a cell wall but no chloroplasts as sunlight cannot penetrate the soil for the roots to make food with.

**Incorrectly answered feedback**

Cell R. A root cell has a cell wall but no chloroplasts as sunlight cannot penetrate the soil for the roots to make food with.

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

[Remove From Test](#)

## Question 41

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) A plant will not be able to survive if cell S is not present. Explain why

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,725

**Correctly answered feedback**

The plant will be unable to survive as it cannot make food without Cell S. Cell S has chloroplasts that contains chlorophyll to help make food for the plant

**Incorrectly answered feedback**

The plant will be unable to survive as it cannot make food without Cell S. Cell S has chloroplasts that contains chlorophyll to help make food for the plant

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

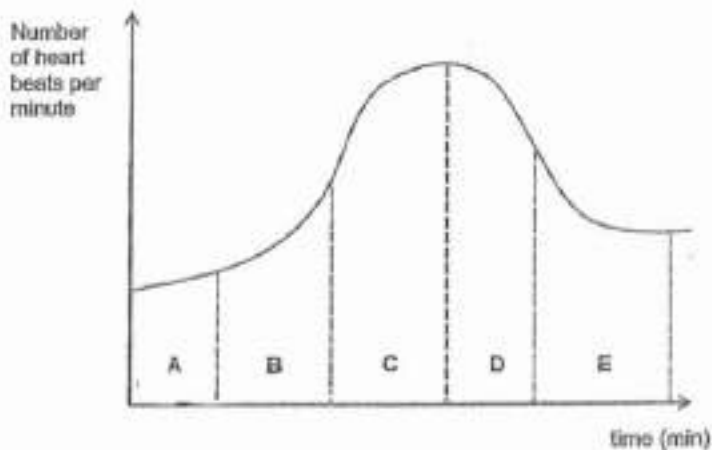
[Remove From Test](#)

## Question 42

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

Sasha's training session consists of three main segments which are the warm-up, actual running and cool down. The graph below shows her heart rate during her training session.



- (a) Which part of the graph best represents the change in Sasha's heart rate when she was running at the maximum speed?

Put a tick (✓) in the correct box.

[1]

- A) A  
 B) B  
 ✓ C) C  
 D) D  
 E) E

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,730

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

## Question 43

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Based on the graph above, explain the increase in her heart rate from part A to C.

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,745

### Correctly answered feedback

From parts A to C, her heart beats faster to pump more oxygen and digested food to all parts of the body, thus releasing more energy to carry out her run.

### Incorrectly answered feedback

From parts A to C, her heart beats faster to pump more oxygen and digested food to all parts of the body, thus releasing more energy to carry out her run.

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

## Question 44

Primary 5 Science » Primary 5 Science (Term 4)

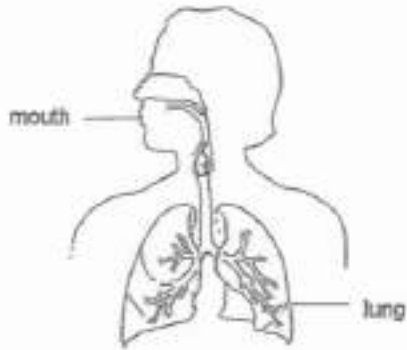
0 pts



The diagrams below show parts of the fish and the human respiratory systems.



Fish respiratory system



Human respiratory system

(a) Name the part where the gaseous exchange takes place in each of the respiratory system. [2]

(i) Fish respiratory system:

\_\_\_\_\_

(ii) Human respiratory system:

\_\_\_\_\_

Question Type: Essay  
 Date Added: Fri 27th Aug 2021  
 Last Modified: N/A  
 QID#: 28,838,863

**Correctly answered feedback**

- Gills
- Lungs

**Incorrectly answered feedback**

- Gills
- Lungs

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

[Remove From Test](#)

### Question 45

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Explain how the increased exposed surface area of the part identified in a(i) helps the fish in terms of the gaseous exchange

Question Type: Essay  
 Date Added: Fri 27th Aug 2021  
 Last Modified: N/A

QID#: 28,838,889

**Correctly answered feedback**

The increased exposed surface area in contact with water allows the fish to absorb more oxygen and release more carbon dioxide

**Incorrectly answered feedback**

The increased exposed surface area in contact with water allows the fish to absorb more oxygen and release more carbon dioxide

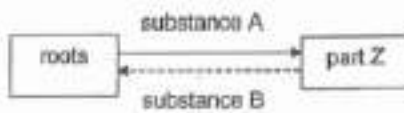
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)**Question 46**

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

The diagram below shows the movement of substances in parts of a plant.



- (a) Gaseous exchange for the plant occurs through part Z. Identify part Z. [1]

Part Z: \_\_\_\_\_

**Accepted answers:**

✓ leaf

**Question Type:** Free Text  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,892

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

[Remove From Test](#)**Question 47**

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

What are the substances?

A: \_\_\_\_\_

**Accepted answers:**

✓ water

**Question Type:** Free Text  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,913

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

[Remove From Test](#)

## Question 48

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

B: \_\_\_\_\_

### Accepted answers:

✓ food

**Question Type:** Free Text  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,915

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

[Remove From Test](#)

## Question 49

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The diagram shows parts of the stem which were cut and removed.



(s) After one week, it was observed that some leaves died. State the part (A, B or C) where the leaves died. Explain your answer.[2]

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,921

### Correctly answered feedback

Part A. The leaves at part A were unable to receive water due to the absence of water-carrying tubes. Without water, they were unable to make food and hence died

### Incorrectly answered feedback

Part A. The leaves at part A were unable to receive water due to the absence of water-carrying tubes. Without water, they were unable to make food and hence died

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

[Remove From Test](#)

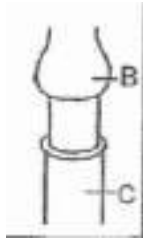
## Question 50

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

After some time, observations were made at parts B and C of the stem  
 . Which is the correct diagram that shows the observation correctly.

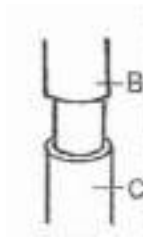
✓ A)



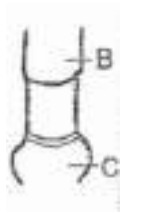
B)



C)



D)



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,931

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

[Remove From Test](#)

## Question 51

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

An ice cream cart has a freezer that stores ice cream for sale. Mist was seen when the ice cream man opened the freezer lid as shown below.



(a) Explain how the mist was formed.

[2]

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,938

**Correctly answered feedback**

The warmer water vapour in the surrounding air came into contact with the colder air around the ice cream cart, lost heat and condensed to form tiny water droplets that was mist.

**Incorrectly answered feedback**

The warmer water vapour in the surrounding air came into contact with the colder air around the ice cream cart, lost heat and condensed to form tiny water droplets that was mist.

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

[Remove From Test](#)

## Question 52

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) The mist disappeared after a short while. Explain why

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,943

**Correctly answered feedback**

The cooler mist came into contact with the warmer surrounding air, gained heat and evaporated into the surrounding air.

**Incorrectly answered feedback**

The cooler mist came into contact with the warmer surrounding air, gained heat and evaporated into the surrounding air.

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

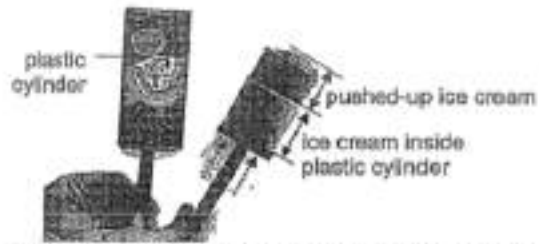
[Remove From Test](#)

## Question 53

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Two children bought an ice cream each. They observed that the ice cream inside the plastic cylinder, as shown below, remained frozen longer than the ice cream that was pushed up.



(c) Explain why the ice cream inside the plastic cylinder remained frozen longer. [1]

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,948

**Correctly answered feedback**

Plastic is a poor conductor of heat. Thus, the ice cream in the plastic cylinder gained heat from the surroundings slower and melted slower

**Incorrectly answered feedback**

Plastic is a poor conductor of heat. Thus, the ice cream in the plastic cylinder gained heat from the surroundings slower and melted slower

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

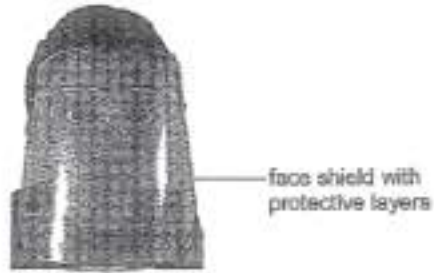
[Remove From Test](#)

## Question 54

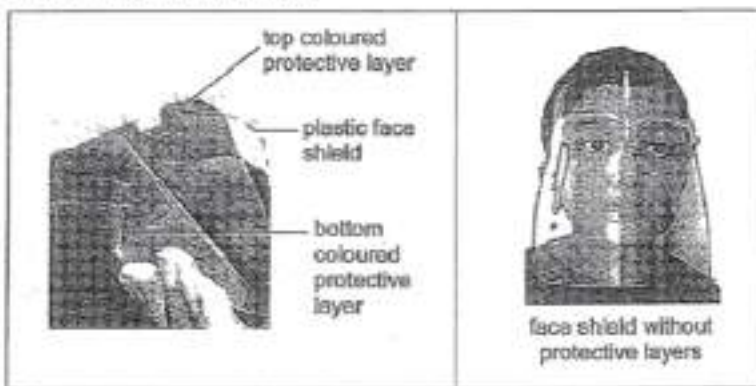
Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Azim read a book with a face shield on, during the Covid-19 pandemic as shown below.



He complained that he could not read the words clearly even though he has perfect eyesight. He soon realised that he had not removed the top and bottom coloured protective layers on the shield.



After removing the coloured protective layers on the shield, Azim could easily read his book.

- (a) Explain why Azim was not able to clearly see the words in his book at first. [1]

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,838,994

**Correctly answered feedback**

The protective layer was translucent instead of transparent, causing less light reflected off the words to pass through the shield to enter the eyes.

**Incorrectly answered feedback**

The protective layer was translucent instead of transparent, causing less light reflected off the words to pass through the shield to enter the eyes.

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

[Remove From Test](#)

## Question 55

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Azim later climbed up many flights of stairs. His face felt hot and it took a longer time to cool down with the plastic face shield on than without it.

- b) Explain why Azim's face took a longer time to cool down

**Question Type:** Essay

Date Added: Fri 27th Aug 2021  
 Last Modified: N/A  
 QID#: 28,839,006

**Correctly answered feedback**

The face shield was made of plastic which was a poor conductor of heat. Thus there was lesser heat loss from his face to the cooler surrounding air.

**Incorrectly answered feedback**

The face shield was made of plastic which was a poor conductor of heat. Thus there was lesser heat loss from his face to the cooler surrounding air.

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

[Remove From Test](#)

**Question 56**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

That evening, Azim was completing his online homework in a dark room as shown below.



(c) Why was Azim able to see the computer screen in the dark? [1]

Question Type: Essay  
 Date Added: Fri 27th Aug 2021  
 Last Modified: N/A  
 QID#: 28,839,012

**Correctly answered feedback**

The computer screen was a light source that enters Azim's eyes

**Incorrectly answered feedback**

The computer screen was a light source that enters Azim's eyes

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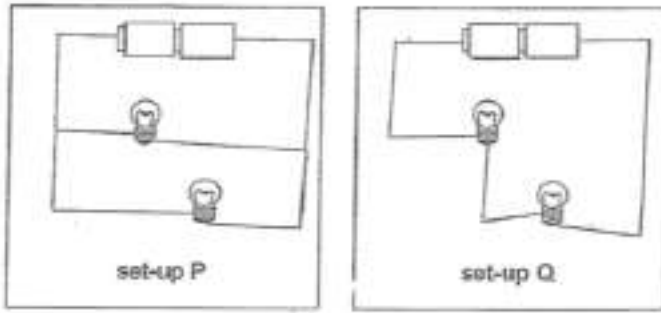
**Question 57**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts



Jane prepared two set-ups, P and Q, using identical batteries and light bulbs as shown below.

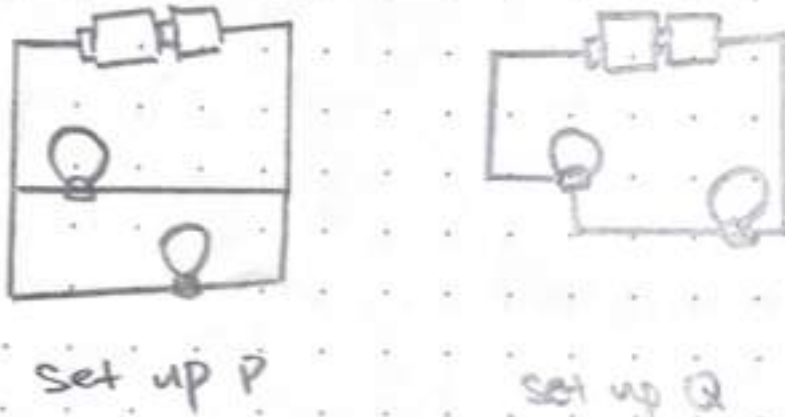


- (a) In the diagrams above, draw in the wires in each set-up such that the bulbs in set-up P will be brighter than the ones in set-up Q. [2]

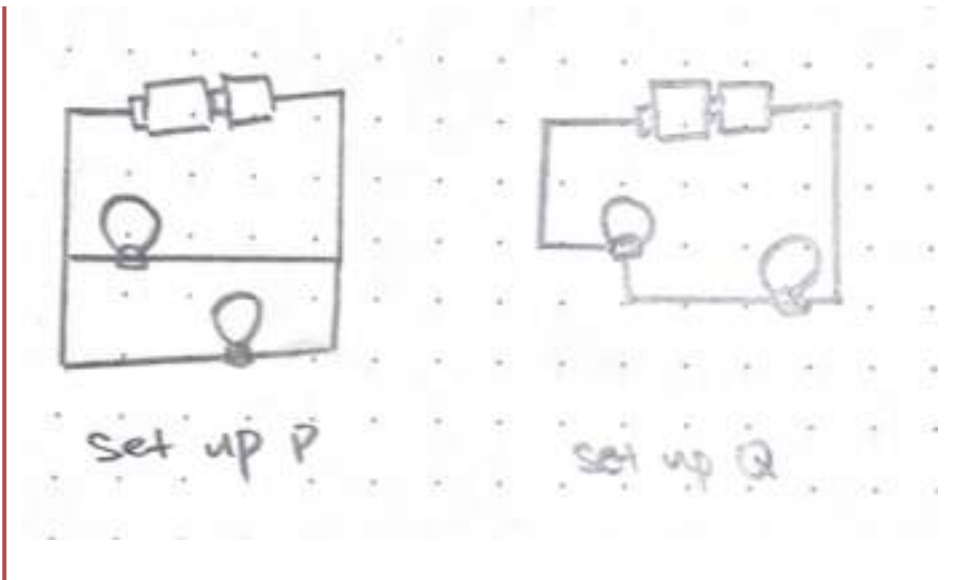
Please type "done" to proceed to the next question

Question Type: Essay  
 Date Added: Fri 27th Aug 2021  
 Last Modified: Mon 13th Sep 2021  
 QID#: 28,839,016

Correctly answered feedback



Incorrectly answered feedback



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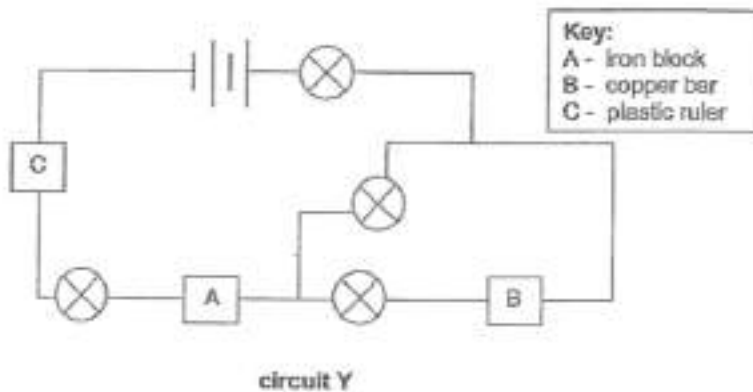
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### Question 58

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

(b) Jane made another circuit Y and connected objects A, B and C to the circuit as shown below. All the bulbs and batteries were in working condition.



(i) She observed that none of the bulbs in circuit Y lit up. Explain why. [1]

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,839,024

**Correctly answered feedback**

The plastic ruler was an insulator of electricity. Thus, the circuit is open and current cannot flow through

**Incorrectly answered feedback**

The plastic ruler was an insulator of electricity. Thus, the circuit is open and current cannot flow through

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### Question 59

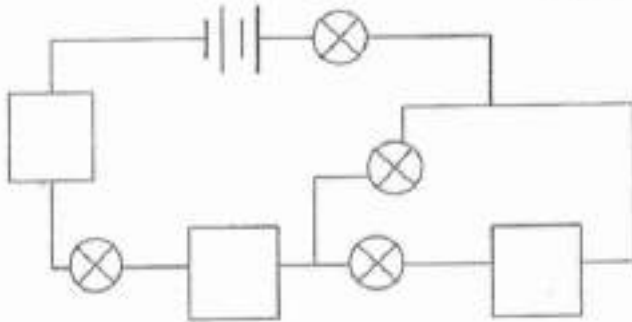
Primary 5 Science » Primary 5 Science (Term 4)

0 pts

- (8) At which positions in the circuit below should Jane place objects A, B and C so that most number of bulbs could be lit?

Write A, B or C in each of the boxes provided below. Use each object ONCE only. [1]

**Key:**  
 A - iron block  
 B - copper bar  
 C - plastic ruler



**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,839,028

**Correctly answered feedback**

From left to right: A,B, C

**Incorrectly answered feedback**

From left to right: A,B, C

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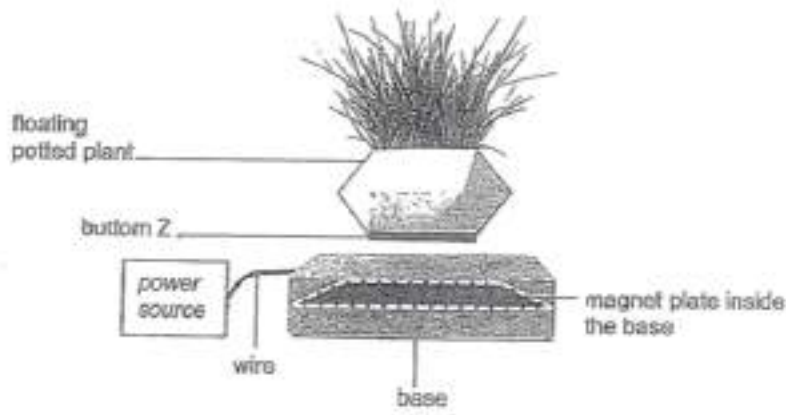
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## Question 60

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The diagram below shows a floating potted plant.



The floating potted plant consists of a base containing a magnet plate and a special bottom Z, as shown in the diagram above. Bottom Z must be present and the power source must be switched on for the potted plant to float.

(a) Identify what bottom Z is.

[1]

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,839,033

**Correctly answered feedback**

Bottom Z is a magnet

**Incorrectly answered feedback**

Bottom Z is a magnet

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## Question 61

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) How does the object you have identified in (a) allow the potted plant to float above the base?

**Question Type:** Essay  
**Date Added:** Fri 27th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,839,035

**Correctly answered feedback**

The like-poles of the magnet at Z and the magnet plate are facing each other, causing the magnets to repel

**Incorrectly answered feedback**

The like-poles of the magnet at Z and the magnet plate are facing each other, causing the magnets to repel

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**Question 62**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) Suggest a way that would allow a floating plant with a greater mass to stay afloat above the base

**Question Type:** Essay

**Date Added:** Fri 27th Aug 2021

**Last Modified:** N/A

**QID#:** 28,839,039

**Correctly answered feedback**

More batteries in the power source could be added

**Incorrectly answered feedback**

More batteries in the power source could be added

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