




 **(2020) Primary 5 Science (Term 4) - Henry Park** ✓

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Test Introduction

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60 Questions (61 Points)

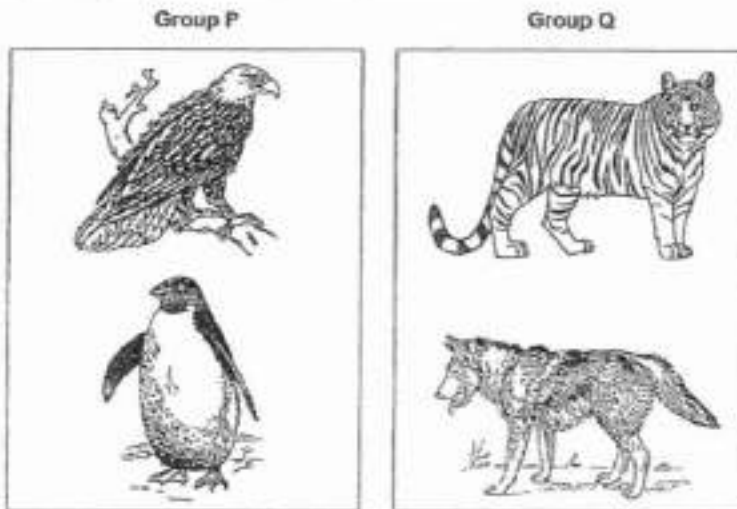
Question Bank: 9,275 Questions 

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.

Study the two groups of animals, P and Q, shown below.



Which of the following correctly describes the characteristics of the two groups of animals shown above?

	Group	Covered with feathers	Covered with hair	Lay eggs	Give birth to live young
(1)	P		✓	✓	
(2)	P	✓			✓
(3)	Q	✓		✓	
(4)	Q		✓		✓

A tick (✓) shows that the group has the characteristic stated.

- A) 1
- B) 2
- C) 3
- ✓ D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,353

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Question 2

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The table describes the stages of the life cycles of four animals, K, L, M and N.

Observation	Animal			
	K	L	M	N
It has a 4-stage life cycle	✓			
The eggs are laid in water	✓	✓	✓	
The young resembles the adult		✓		✓

A tick (✓) indicates that the characteristic is observed.

Which of the animals is likely to be a grasshopper?

- A) K
- B) L
- C) M
- ✓ D) N

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,355

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Question 3

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram shows a plant cell.



Which one of the following statements is correct?

	Part	Function
(1)	A	Controls activities in the cell.
(2)	B	Controls the movement of substances in and out of the cell.
(3)	C	Contains genetic information that is passed on from parents to their young.
(4)	D	Contains chlorophyll to trap sunlight.

- ✓ A) 1
- B) 2
- C) 3
- D) 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Wed 8th Sep 2021
 Last Modified: N/A
 QID#: 28,950,360

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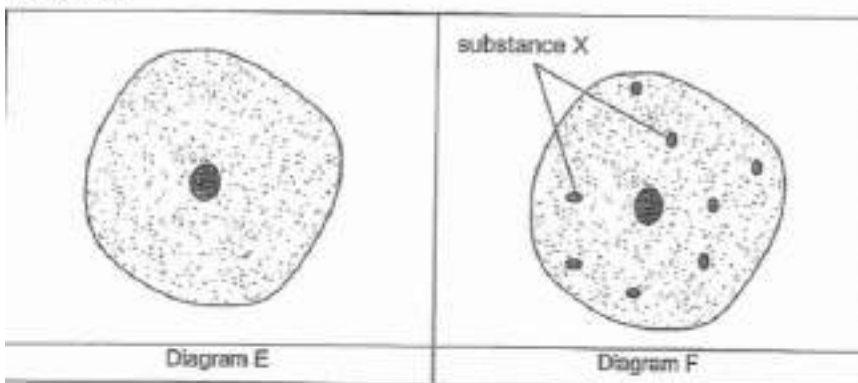
Question 4

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

Anne observed an animal cell under a microscope as shown in diagram E. She then placed the cell in a liquid containing substance X.

After five minutes, she observed the cell again under the microscope as shown in diagram F.



Which part of the cell allowed substance X to move into it?

- A) nucleus

- B) cell wall
- C) cytoplasm
- ✓ D) cell membrane

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
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QID#: 28,950,364

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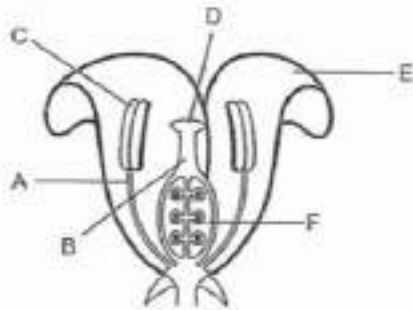
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Question 5

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram shows the cross-section of a flower.



Which of the following correctly identifies the male and female parts of the flower?

	male parts	female parts
(1)	A and C	B, D and F
(2)	A, C and E	B, D and F
(3)	B, D and F	A and C
(4)	B, D and F	A, C and E

- ✓ A) 1
- B) 2
- C) 3
- D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
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QID#: 28,950,370

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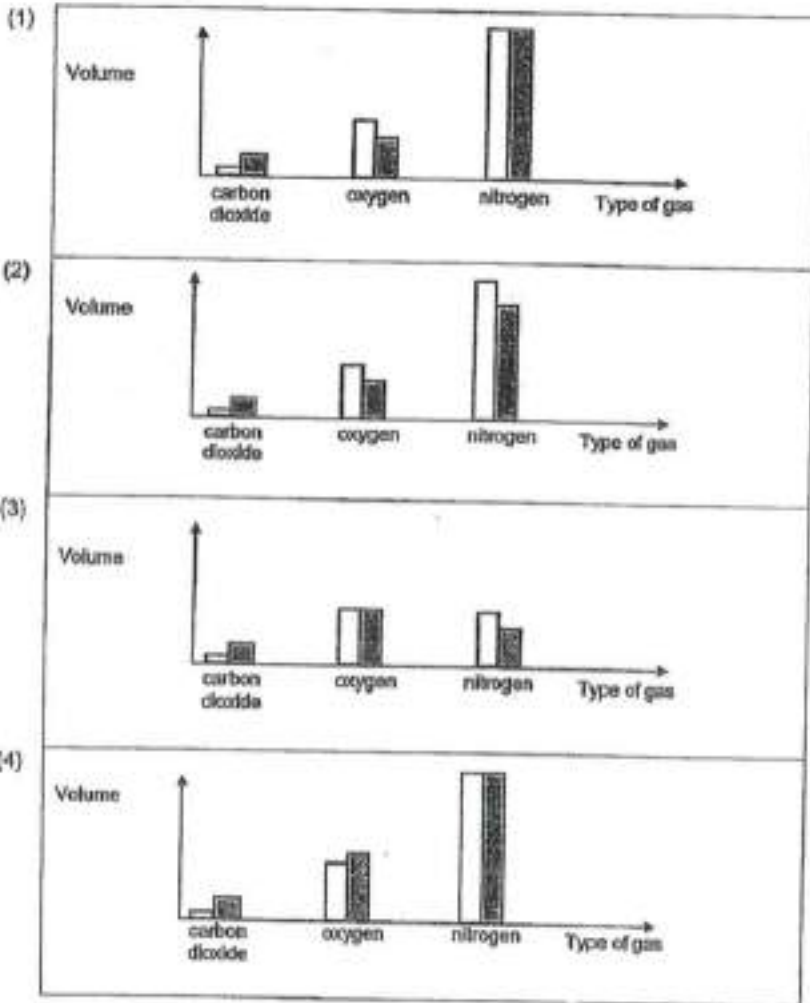
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Question 6

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

Which one of the following graphs best represents the correct volume of oxygen, carbon dioxide and nitrogen found in inhaled air and exhaled air?



- ✓ A) 1
- B) 2
- C) 3
- D) 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Wed 8th Sep 2021
 Last Modified: N/A
 QID#: 28,950,373

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Question 7

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Kim Chi wants to find out whether a fruit which she has picked up is dispersed the same way as the coconut.

Which of the following investigations should she carry out?

- A Find the mass of the fruit by weighing it
 B cut open the fruit to check if it has a fibrous husk
 C Place the fruit in a basin of water to see if it can float

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

Question Type: Multiple Choice
Randomize Answers: No
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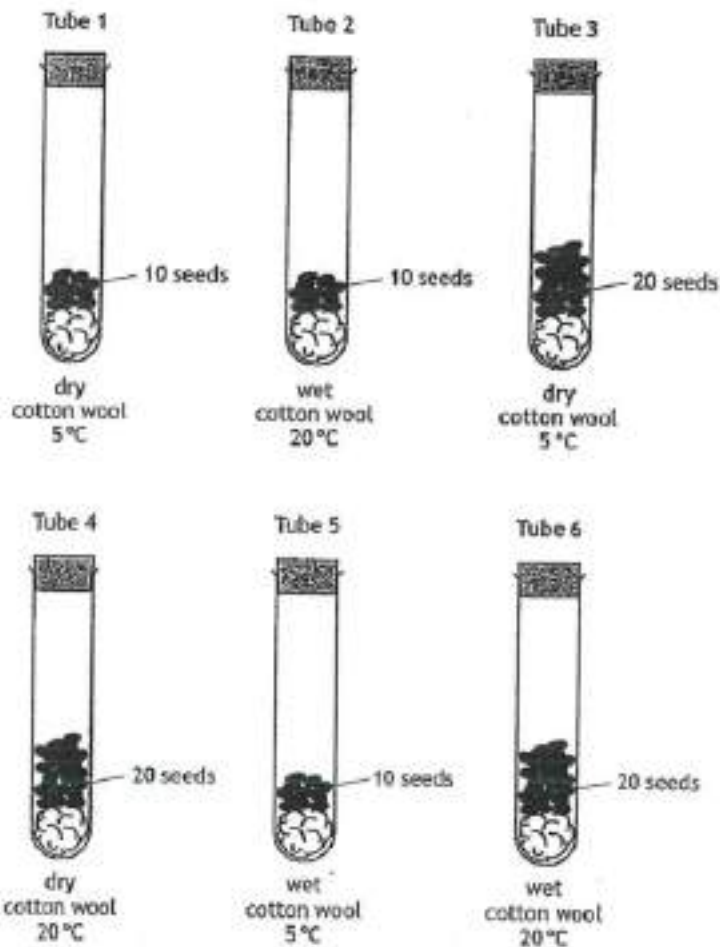
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Question 8

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagrams show 6 tubes set up to investigate seed germination.



Based on tubes 1 to 6 given above, which two tubes should be compared to show the effect temperature has on germination?

- A) Tubes 1 and 3

- B) Tubes 6 and 3
 C) Tubes 6 and 4
 ✓ D) Tubes 2 and 5

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
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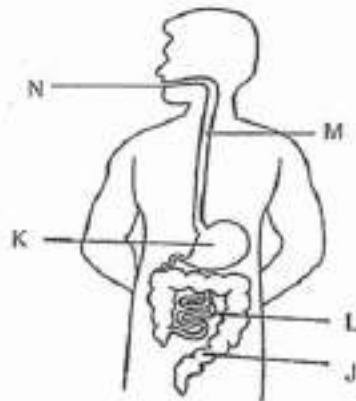
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Question 9

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram shows the human digestive system.



Based on the diagram given, which of the following is correct?

	organs that do not produce digestive juice	organ where digestion starts
(1)	M, J	N
(2)	M, N	J
(3)	N, K	J
(4)	M, K	N

- ✓ A) 1
 B) 2
 C) 3
 D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
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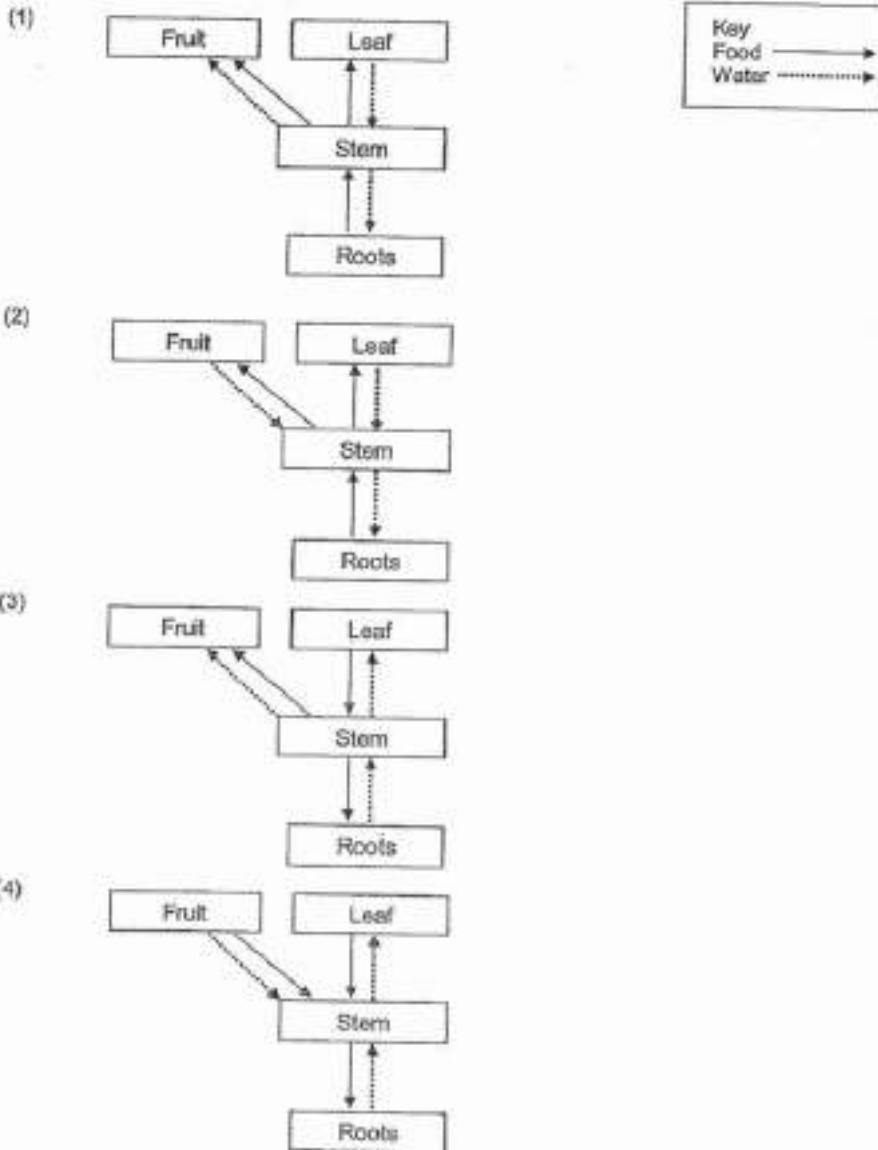
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Question 10

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Which one of the following diagrams correctly shows the flow of water and food to the various parts of a plant?



- A) 1
- B) 2
- ✓ C) 3
- D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,394

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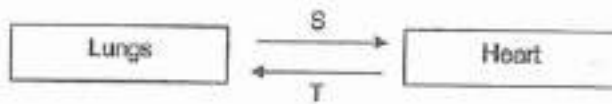
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Question 11

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram shows the movement of substances between the lungs and the heart.



Based on the information given, which of the following is correct?

	S	T
(1)	Oxygen	Carbon dioxide
(2)	Carbon dioxide	Oxygen
(3)	Blood rich in oxygen	Blood rich in carbon dioxide
(4)	Blood rich in carbon dioxide	Blood rich in oxygen

- A) 1
 B) 2
 ✓ C) 3
 D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
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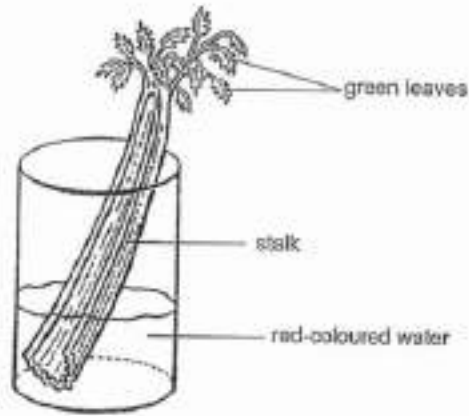
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Question 12

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Dan placed a fresh celery stalk with leaves into a glass of red-coloured water as shown below.



Which of the following correctly states and explains the observation Dan would make after 24 hours?

Observation	Explanation
(1) Leaves remained green.	Water-carrying tubes only transport the water and not the red colouring.
(2) Leaves remained green.	Food-carrying tubes are damaged.
(3) Leaves turned red.	Water-carrying tubes transport the red colouring to the leaves.
(4) Leaves turned red.	Food-carrying tubes transport the red coloured water from the glass to the leaves.

- A) 1
 B) 2
 ✓ C) 3
 D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,397

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Question 13

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Statements A, B, C and D given below describe the processes of plant reproduction

- A The male reproductive cell fuses with the female reproductive cell
 B When a seed starts to germinate, the roots will appear first
 C The fruit splits open and the seeds are carried away by the wind
 D When the insects collect the nectar, they are also the transfer pollen grains to the stigma of another flower

In which order does the process of plant reproduction occur with one cycle?

- A) A,B,C,D
 ✓ B) A,C,B,D

C) B,A,C,D

D) D,B,C,A

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
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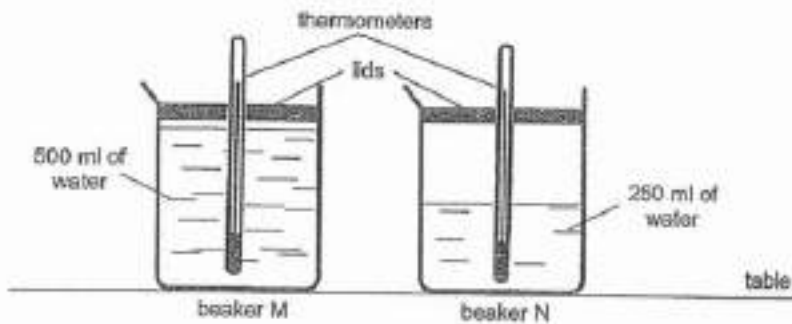
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Question 14

Primary 5 Science » Primary 5 Science (Term 4)

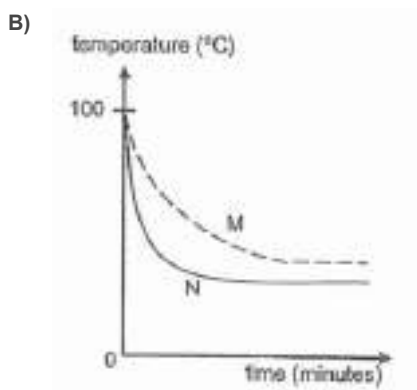
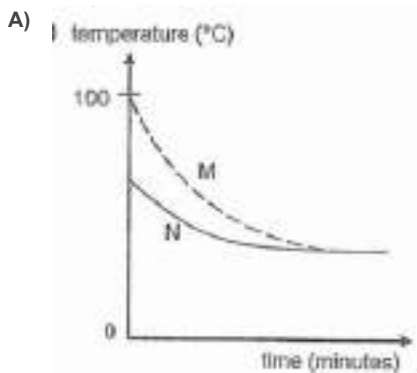
2 pts

Different amounts of boiling water was poured into similar glass beakers, M and N, at the same time. The diagram shows the amount of boiling water in each beaker. The beakers were then left at the Science room.

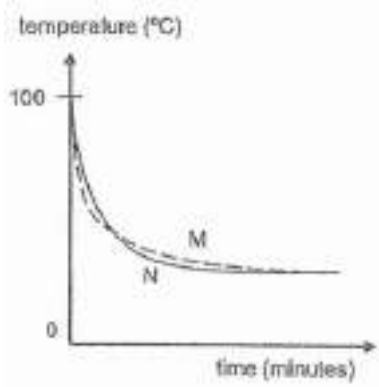


The temperature of water in beakers M and N was monitored and recorded over some time.

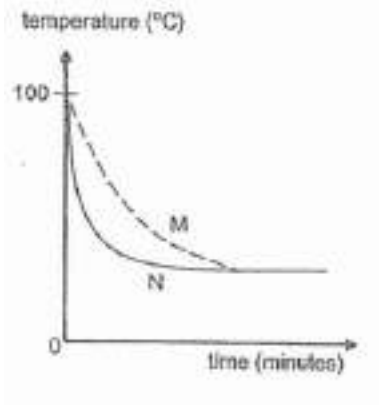
Which one of the following graphs best represents the results?



C)



✓ D)



Question Type: Multiple Choice
Randomize Answers: No
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Question 15

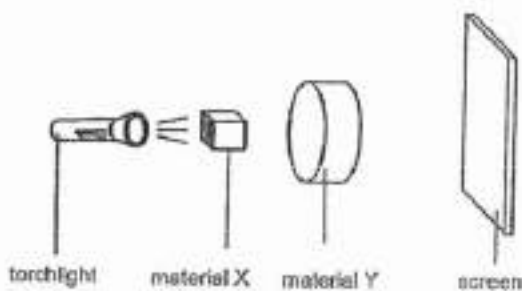
Primary 5 Science » Primary 5 Science (Term 4)

2 pts





The table shows the amount of light that can pass through materials, X, Y and clear glass.

Material	Amount of light passing through (units)
X	0
Y	2500
Clear glass	5000

The diagram shows how materials X and Y are used in a set-up.



Which of the following shows the shadow likely to be formed on the screen?

- A) 
- B) 
- ✓ C) 
- D) 

Question Type: Multiple Choice
 Randomize Answers: No
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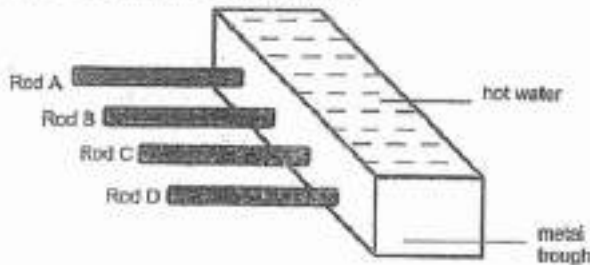
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Question 16

Primary 5 Science » Primary 5 Science (Term 4)

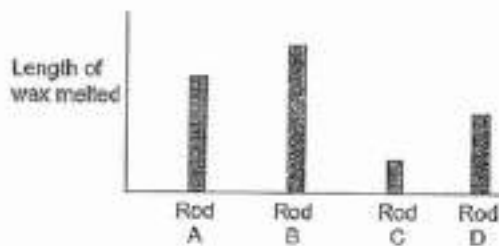
2 pts

Jackson sets up an experiment as shown below.



He used similar rods made of different materials. He coated all the rods with the same amount of wax. He then attached the rods to the metal trough containing hot water. After some time, he measured the length of wax melted on each of the four rods.

He plotted a graph as shown below.



Which of the rods is made of the material that is the most suitable for making boxes for storing ice?

- A) A
- B) B

- ✓ C) C
D) D

Question Type: Multiple Choice
Randomize Answers: No
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QID#: 28,950,414

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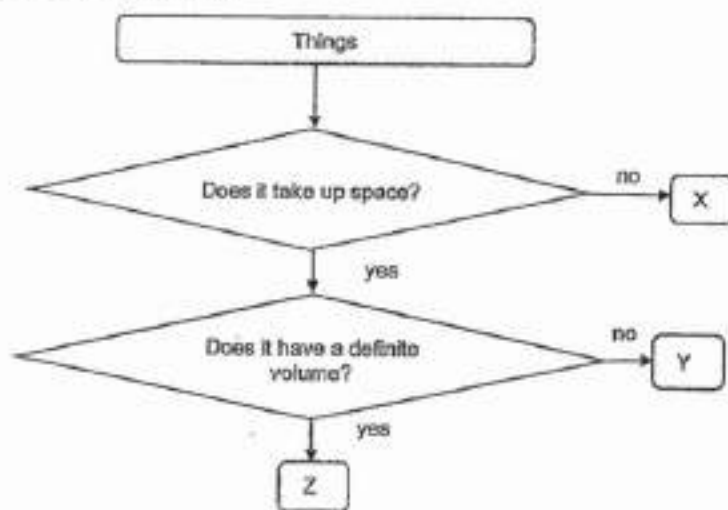
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Question 17

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Study the flow chart below.



Which of the following correctly identifies the things X, Y and Z?

	X	Y	Z
(1)	Light	Water	Air
(2)	Shadow	Oxygen	Water
(3)	Music	Water vapour	Oxygen
(4)	Air	Water	Ice

- A) 1
 ✓ B) 2
 C) 3
 D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
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QID#: 28,950,415

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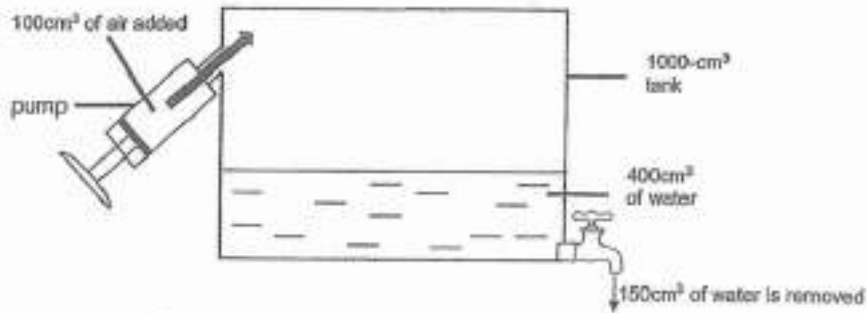
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Question 18

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Ryan was given a 1000-cm^3 tank, which was filled with 400 cm^3 of water as shown below.



He removed 150cm^3 of water from the tank. Then, he used a pump to add 100 cm^3 of air into the container.

Based on the information given, which of the following correctly describes the mass of the air and its volume?

	mass of air	volume of air
(1)	increases	remains the same
(2)	decreases	remains the same
(3)	remains the same	increases
(4)	increases	increases

()

- A) 1
 B) 2
 C) 3
 ✓ D) 4

Question Type: Multiple Choice
Randomize Answers: No
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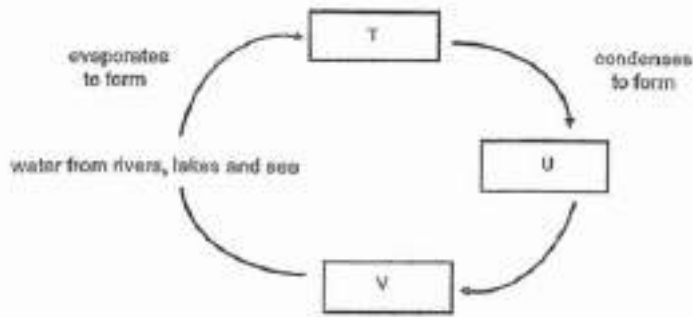
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Question 19

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram shows the water cycle.



Which of the following correctly identifies T, U and V from the diagram above?

	T	U	V
(1)	rain	clouds	water vapour
(2)	water vapour	clouds	rain
(3)	clouds	rain	water vapour
(4)	water vapour	rain	clouds

- A) 1
- ✓ B) 2
- C) 3
- D) 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Wed 8th Sep 2021
 Last Modified: N/A
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Question 20

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Faith wants to find out what factors affect the rate at which water evaporates. She carried out an experiment using the 5 beakers as shown in the table below.

Beaker	Volume of water at the start of the experiment (ml)	Surrounding temperature (°C)	Exposed surface area	Volume of water at the end of experiment (ml)
P	300	40	Large	200
Q	300	40	Small	260
R	300	80	Large	150
S	350	40	Large	200
T	350	80	Small	220

If she wants to find out whether temperature affects the rate of evaporation, which two beakers should she use in order to ensure a fair test?

- ✓ A) P and R
- B) Q and T
- C) R and S

D) P and Q

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
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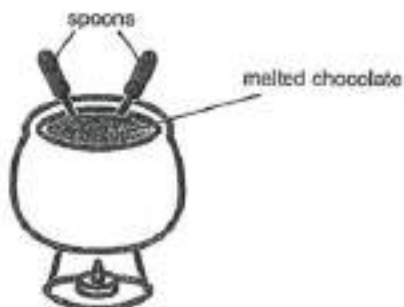
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Question 21

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram shows a pot of melted chocolate.



John puts a metal spoon and a wooden spoon in the pot of melted chocolate. When he lifted the spoons out from the pot of melted chocolate, he noticed that the melted chocolate on the metal spoon solidifies faster than the chocolate on the wooden spoon.

Which one of the following correctly explains why?

- A) The melted chocolate on the wooden spoon gained heat faster than from the metal spoon
- B) The melted chocolate on the wooden spoon lost heat faster than from the metal spoon
- C) The melted chocolate on the metal spoon gained heat faster than from the wooden spoon
- ✓ D) The melted chocolate on the metal spoon lost heat faster than from the wooden spoon

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,427

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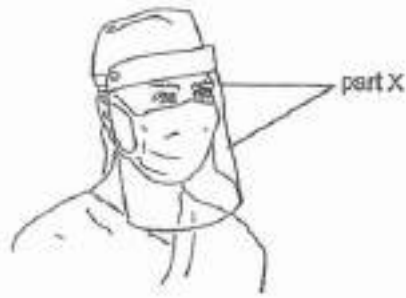
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Question 22

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Dr Liu wears a face shield as shown below.



Part X of the face shield protects his eyes from droplets that may contain viruses. Material Y is used to make part X.

Based on information given, which one of the properties best explains why material Y is chosen?

Material Y is _____.

- A) strong
- ✓ B) waterproof
- C) able to float
- D) able to conduct heat slowly

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,442

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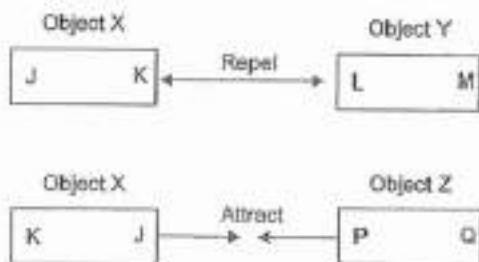
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Question 23

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

David conducted an experiment with three objects, X, Y and Z. He tried to put two objects near each other as shown in the diagrams below.



Which of the following(s) is/are correct?

- ✓ A) K and L are like poles.
 - B) Object Y is a non-magnetic object.
 - C) Object Z is a non-magnetic object.
 - D) M and Q are unlike poles.
- ✓ A) A only
 - B) A and C only
 - C) B and C only

D) B, D and C only

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
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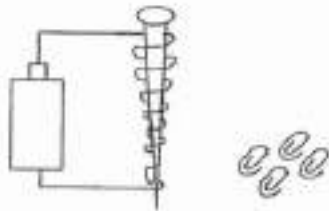
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Question 24

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Niles turned a nail into an electromagnet using the set-up shown below. He then brought paper clips to test the strength of the electromagnet. He did this each time there is a change in the number of batteries and coils.



The table below shows the result.

Number of coils	Number of batteries	Number of paper clips attracted
20	4	13
40	4	26
20	6	X
20	8	34
40	6	48

What is the value of X in the table shown above?

- A) 12
 ✓ B) 23
 C) 36
 D) 44

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
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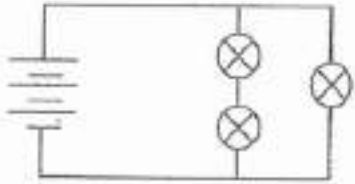
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Question 25

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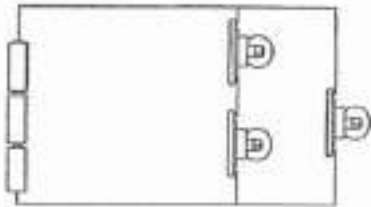
2 pts

Study the circuit diagram shown.

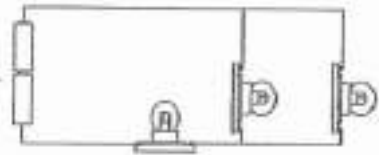


Which one of the following correctly represents the circuit shown above?

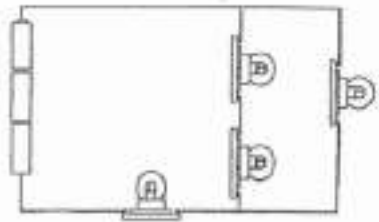
✓ A)



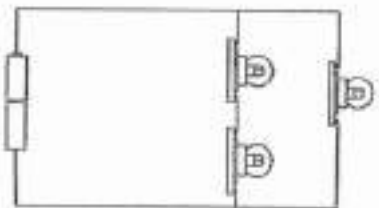
B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
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QID#: 28,950,453

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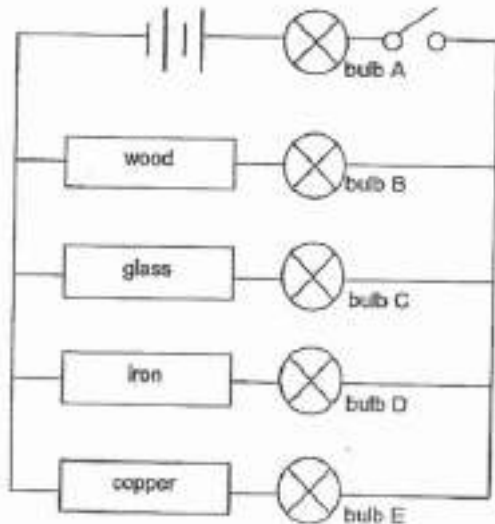
[Remove From Test](#)

Question 26

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Four rods made of different materials, wood, glass, iron and copper, were connected in the electrical circuit as shown below.



Which bulbs will light up after the switch is closed?

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,461

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

[Remove From Test](#)

Question 27

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Nicholas bought two different brands of light bulb. He wanted to find out which brand of light is brighter. Which of the following variable(s) should he keep the same to ensure a fair test?

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

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
Last Modified: N/A

QID#:

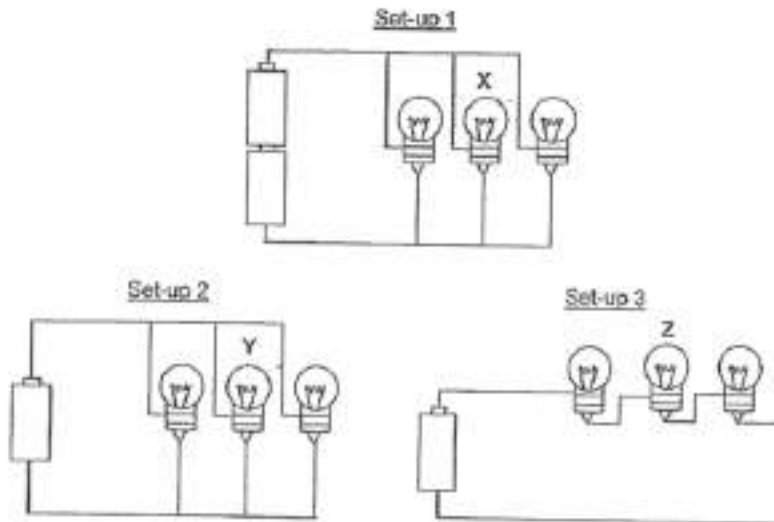
28,950,474

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)
[Remove From Test](#)**Question 28**

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Ethan set up the circuits shown below with identical bulbs and batteries.



Which of the following statements about the bulbs in the above circuits are not correct?

- A Bulb Z is dimmer than bulb Y.
- B Bulbs X and Y have the same brightness.
- C If bulb X is removed from its circuit, the remaining bulbs will become dimmer.

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

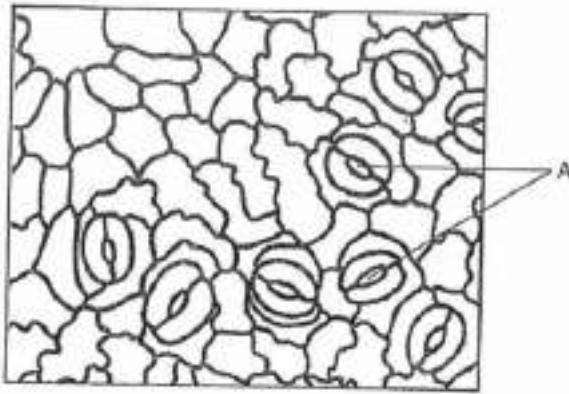
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,484

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)
[Remove From Test](#)**Question 29**

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Part A is found on the leaves of a plant as shown in the diagram below.



a) State what part A is: _____

Accepted answers:

✓ stomata

Question Type: Free Text
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,522

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

[Remove From Test](#)

Question 30

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Oil is used to cover all the parts A found on all the leaves of the plant.
 What would likely happen to the plant if the oil is left on the leaves for a long period of time?

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,529

Correctly answered feedback

The plant will die

Incorrectly answered feedback

The plant will die

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

[Remove From Test](#)

Question 31

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) Explain your answer in (b)

Question Type: Essay
Date Added: Wed 8th Sep 2021

Last Modified: N/A
QID#: 28,950,531

Correctly answered feedback

The plant cannot perform gaseous exchange

Incorrectly answered feedback

The plant cannot perform gaseous exchange

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

[Remove From Test](#)

Question 32

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

The diagrams show two reproductive cells, X and Y, in the human reproductive system.



Name the reproductive organ that produces:

[1]

(i) Cell X

Accepted answers:

✓ ovary

Question Type: Free Text
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,535

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

[Remove From Test](#)

Question 33

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

Cell Y: _____

Accepted answers:

✓ testes

Question Type: Free Text
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,537

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

[Remove From Test](#)

Question 34

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

Name process Z

Accepted answers:

✓ fertilisation

Question Type: Free Text
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,543

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 35**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) Farmer Li grows plant Q in his farm that has only red flowers.

He collected seeds from plant Q with pink flowers and planted them to grow new plants.

Explain why the new plants will only have pink flowers

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,548

Correctly answered feedback

The genetic trait of the pink colour of the flower is passed on from the parent plant to the young plants

Incorrectly answered feedback

The genetic trait of the pink colour of the flower is passed on from the parent plant to the young plants

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 36**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Tim counted the number of two different types of young plants, A and B, at different distances from their parent plants in a large field. The results are shown in the table below.

Distance from parent plant (m)	Number of young plants	
	A	B
0	0	0
2	8	2
4	6	3
8	4	5

Based on his results, which young plant, A or B, will have to compete more with their parents for survival? Explain your answer.

Question Type: Essay

Date Added: Wed 8th Sep 2021

Last Modified: N/A

QID#: 28,950,551

Correctly answered feedback

A. There are more young plants found nearer to the parent plant

Incorrectly answered feedback

A. There are more young plants found nearer to the parent plant

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

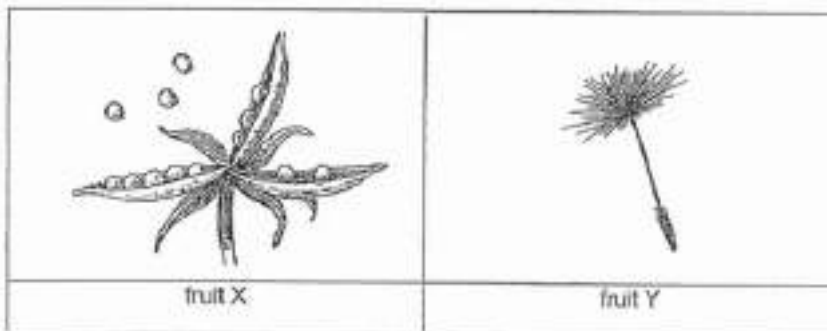
[Remove From Test](#)

Question 37

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The diagrams show the fruits of plants A and B.



(b) Which fruit, X or Y, is the fruit of plant A?

Explain your answer.

Question Type: Essay

Date Added: Wed 8th Sep 2021

Last Modified: N/A

QID#: 28,950,611

Correctly answered feedback

Fruit X. It disperses by splitting so the seeds will be found near to the parent plant

Incorrectly answered feedback

Fruit X. It disperses by splitting so the seeds will be found near to the parent plant

Answers | Edit | Duplicate | Used In | Reorder

Remove From Test

Question 38

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Plant transport system consists of two types of tubes, water-carrying tubes and food-carrying tubes.

In the table below, put a tick (✓) in the correct boxes to indicate where the food-carrying tubes can be found in a plant. [2]

Where food-carrying tubes can be found in the plant			
stem	root	leaf	flower

Question Type: Essay
 Date Added: Wed 8th Sep 2021
 Last Modified: N/A
 QID#: 28,950,615

Correctly answered feedback

Where food-carrying tubes can be found			
stem	root	leaf	flower
✓	✓	✓	✓

Incorrectly answered feedback

Where food-carrying tubes can be found			
stem	root	leaf	flower
✓	✓	✓	✓

Answers | Edit | Duplicate | Used In | Reorder

Remove From Test

Question 39

Primary 5 Science » Primary 5 Science (Term 4)

0 pts



(b) The insects are found eating through a stem of the plant.
 Explain how this affects the growth of the roots of the plant.

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,621

Correctly answered feedback

The food carrying tubes in the stem are damaged so food made in the leaves cannot be transported to the roots and the roots will die

Incorrectly answered feedback

The food carrying tubes in the stem are damaged so food made in the leaves cannot be transported to the roots and the roots will die

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

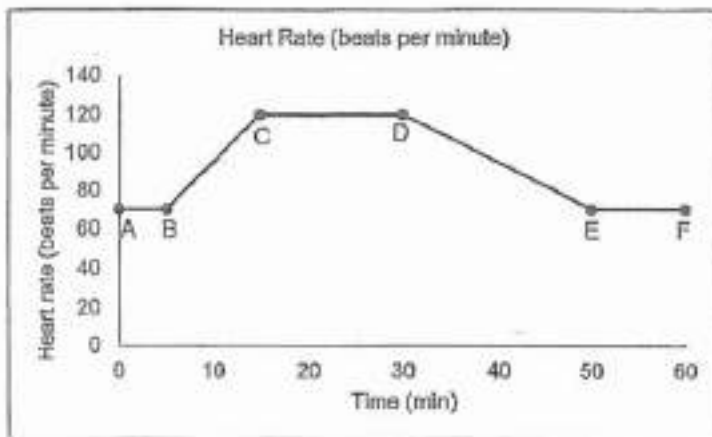
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Question 40

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The graph shows how Javier's heart rate changes over time.



Match the activities in the table below according to his heart rate shown in the graph by writing AB, BC, CD, DE or EF in the correct boxes.

(i) Started jogging	
(ii) Cooling down exercise	

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,625

Correctly answered feedback

(i)	Start to run	BC (1/2m)
(ii)	Cooling down exercise	DE (1/2m)

Incorrectly answered feedback

(i)	Start to run	BC (1/2m)
(ii)	Cooling down exercise	DE (1/2m)

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

[Remove From Test](#)

Question 41

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) At which part, AB or BC, did Javier take in more oxygen? Explain your answer

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,627

Correctly answered feedback

BC. At BC, he is exercising so his heart pumps more blood carrying oxygen to the various parts of the body more quickly .

Incorrectly answered feedback

BC. At BC, he is exercising so his heart pumps more blood carrying oxygen to the various parts of the body more quickly .

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

[Remove From Test](#)

Question 42

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Hector went on a holiday during winter. He noticed that he could see a 'white cloud' coming out of his mouth as he breathed out as shown in the diagram below.



State what the 'white cloud' is.

[1]

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,629

Correctly answered feedback

water droplets

Incorrectly answered feedback

water droplets

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

[Remove From Test](#)

Question 43

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Explain how the "white cloud" is formed

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,633

Correctly answered feedback

The warm water vapour from his mouth came into contact with the cold surrounding air. The water vapour loses heat and condenses into water droplets

Incorrectly answered feedback

The warm water vapour from his mouth came into contact with the cold surrounding air. The water vapour loses heat and condenses into water droplets

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

[Remove From Test](#)

Question 44

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) Hector needed to wear a thick winter jacket to keep him warm because of the low surrounding temperature.

Explain why he was able to keep himself warm by wearing the thick winter jacket

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,640

Correctly answered feedback

The jacket is made of a material which is a poor conductor of heat, this will reduce the rate of heat lost from his body to the surrounding

Incorrectly answered feedback

The jacket is made of a material which is a poor conductor of heat, this will reduce the rate of heat lost from his body to the surrounding

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

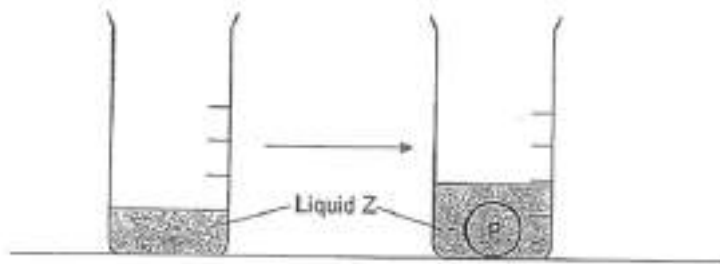
[Remove From Test](#)

Question 45

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Fabien has three balls, P, Q and R, made of different materials. He dropped ball P into a beaker of liquid Z.



He noticed that the level of liquid Z increases after ball P is dropped into it. Explain why.

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,646

Correctly answered feedback

Ball P takes up space in the container

Incorrectly answered feedback

Ball P takes up space in the container

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

[Remove From Test](#)

Question 46

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Fabian's teacher, Mrs Tan, said that ball P is a matter. State what a matter is.

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,654

Correctly answered feedback

Matter is anything that has mass and takes up space

Incorrectly answered feedback

Matter is anything that has mass and takes up space

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

[Remove From Test](#)

Question 47

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

Tick the instrument that Fabien can use to measure the amount of matter in ball P

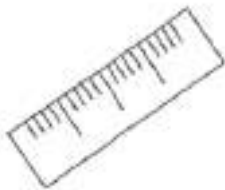
✓ A)

Beam balance



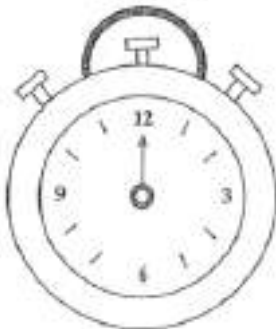
B)

Ruler



C)

Stopwatch



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,663

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

[Remove From Test](#)

Question 48

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Danny conducted an experiment by placing two beakers, A and B, each containing 60 ml of tap water in the same room.



He then measured the volume of the tap water remaining in each beaker after some time. He recorded his results in the table as shown below.

Beaker	Exposed surface area (cm ²)	Volume of tap water remaining (ml)
A	20	55
B	35	40

Based on the table above, explain how the difference in the exposed surface area affects the amount of tap water lost.

[1]

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,673

Correctly answered feedback

The exposed surface area of water in beaker B is bigger so water is able to evaporate faster and less water remains in the beaker

Incorrectly answered feedback

The exposed surface area of water in beaker B is bigger so water is able to evaporate faster and less water remains in the beaker

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

[Remove From Test](#)

Question 49

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Danny conducted his second experiment by using two similar beakers, C and D, each containing 60ml of tap water.

He placed the tap water in Container C in a dim room while the tap water in Container D under a brightly lit lamp.

He recorded his results in the table as shown below.

Beaker	Exposed surface area (cm ²)	Temperature of surrounding (°C)	Volume of tap water remaining (ml)
C	35	25	58
D	35	32	20

From the table above, state the aim of Danny's second experiment.

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,678

Correctly answered feedback

He wanted to find out whether more heat enables water to evaporate faster

Incorrectly answered feedback

He wanted to find out whether more heat enables water to evaporate faster

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

[Remove From Test](#)

Question 50

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) What is the relationship between the temperature of the surrounding and the volume of tap water remaining?

Question Type: Essay

Date Added: Wed 8th Sep 2021

Last Modified: N/A

QID#: 28,950,689

Correctly answered feedback

The higher the temperature, the faster water evaporates

Incorrectly answered feedback

The higher the temperature, the faster water evaporates

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

[Remove From Test](#)

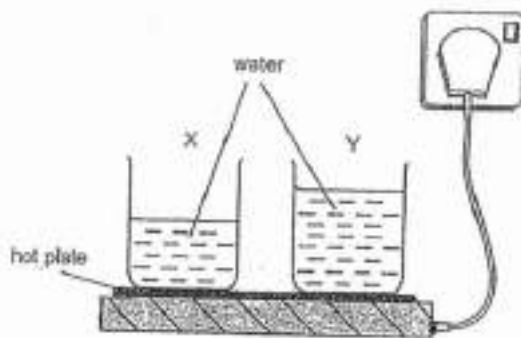
Question 51

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Ian uses an electrical hot plate to boil two similar beakers of water. Each beaker contains different amount of water.

He wanted to find out which beaker of water, X or Y, will boil first.



	Beaker X	Beaker Y
Volume of water (ml)	150	200
Temperature of water before heating (°C)	32	32

State a similarity between evaporation and boiling.

[1]

Question Type: Essay

Date Added: Wed 8th Sep 2021

Last Modified: N/A
QID#: 28,950,699

Correctly answered feedback

In both processes, liquid changes into water vapour

Incorrectly answered feedback

In both processes, liquid changes into water vapour

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

[Remove From Test](#)

Question 52

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Which beaker of water, X or Y, will boil first?

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,705

Correctly answered feedback

The water in beaker X will boil first

Incorrectly answered feedback

The water in beaker X will boil first

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

[Remove From Test](#)

Question 53

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) Explain your answer in (b)

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,713

Correctly answered feedback

There is less water in Beaker X so less heat energy is needed to boil the water

Incorrectly answered feedback

There is less water in Beaker X so less heat energy is needed to boil the water

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

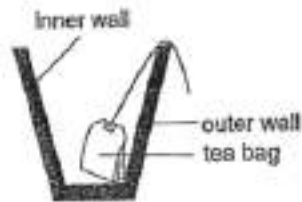
[Remove From Test](#)

Question 54

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Ian used a thick glass cup to make tea as shown below.



Cup made of thick glass

(d) When he poured boiling water into the glass cup, it cracked.

Explain why.

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,723

Correctly answered feedback

The inner glass wall gained heat and expanded first. As glass is a poor conductor of heat, heat is transferred more slowly to the outer glass wall causing the outer wall to expand slower

Incorrectly answered feedback

The inner glass wall gained heat and expanded first. As glass is a poor conductor of heat, heat is transferred more slowly to the outer glass wall causing the outer wall to expand slower

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

[Remove From Test](#)

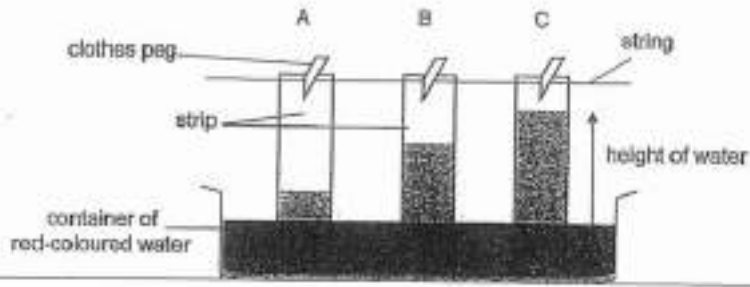
Question 55

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Jia Jie conducted an experiment using three similar strips, A, B and C. Each strip is made of a different material.

He suspended each strip from a string and dipped one end into a container of red-coloured water as shown below.



He measured the height of water that travels up each strip after 10 minutes. The result is shown in the table below.

Strip	Height of water (cm)
A	0
B	10
C	15

State the independent and dependent variables in Jia Jie's experiment.

[1]

Independent variable : _____

Dependent variable: _____

Question Type: Essay

Date Added: Wed 8th Sep 2021

Last Modified: N/A

QID#: 28,950,730

Correctly answered feedback

independent: type of material

Dependent: Height of water absorbed

Incorrectly answered feedback

independent: type of material

Dependent: Height of water absorbed

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

[Remove From Test](#)

Question 56

Primary 5 Science » Primary 5 Science (Term 4)

1 pt

Which strip of material is most suitable to make a bath mat?

- A) A
- B) B
- ✓ C) C

Question Type: Multiple Choice

Randomize Answers: No

Date Added: Wed 8th Sep 2021

Last Modified: N/A

QID#: 28,950,732

Correctly answered feedback
material C

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

Question 57

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Explain your answer in (b)

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,739

Correctly answered feedback

The highest height of water travels up material C. Thus shows that material C can absorb the most water so it can absorb the most water from the feet

Incorrectly answered feedback

The highest height of water travels up material C. Thus shows that material C can absorb the most water so it can absorb the most water from the feet

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

Question 58

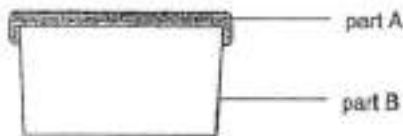
Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Study the table below.

	Material		
	X	Y	Z
Does it allow most light to pass through?	Yes	No	No
Does it bend easily without breaking?	No	Yes	Yes
Does it break easily?	No	No	Yes
Does it absorb water?	No	No	Yes

Kelly wanted to make a container to store sugar as shown below.



When placed on a shelf, she could see easily the sugar in the container. The container also kept water away from the sugar. Part A can be bent easily so that she can pull it to open and push it to close the container.

Which material (X, Y or Z) should she choose to make parts A and B of the container?

Explain why.

Part A:

Explanation:

Part B:

Explanation:

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,749

Correctly answered feedback

Part A

Material Y. It is strong so that the lid will not break when Kelly pulled or pushed it. It is flexible so that the lid will not break when Kelly open or close the container.

Part B

Material X. It is transparent so that Kelly can see through the material to see the sugar it contains. It is waterproof so that the sugar in the container will not get wet

Incorrectly answered feedback

Part A

Material Y. It is strong so that the lid will not break when Kelly pulled or pushed it. It is flexible so that the lid will not break when Kelly open or close the container.

Part B

Material X. It is transparent so that Kelly can see through the material to see the sugar it contains. It is waterproof so that the sugar in the container will not get wet

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

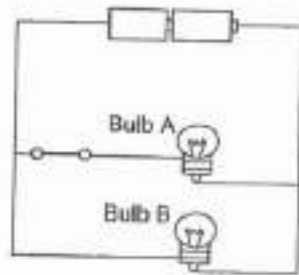
[Remove From Test](#)

Question 59

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Lena has a switch and two bulbs, A and B. She set up an electrical circuit as shown below.



When the switch is opened, what will happen to bulb A and bulb B? Give a reason for your answer.

Bulb A:

Reason:

Bulb B:

Reason:

Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,756

Correctly answered feedback

Bulb A: It will not light up because its circuit is open
 Bulb B: It will remain lit because its circuit remain closed

Incorrectly answered feedback

Bulb A: It will not light up because its circuit is open
 Bulb B: It will remain lit because its circuit remain closed

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

[Remove From Test](#)

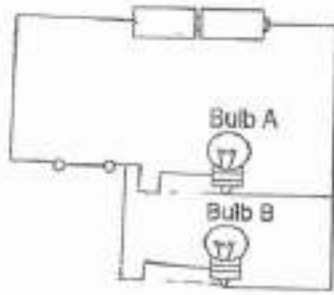
Question 60

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

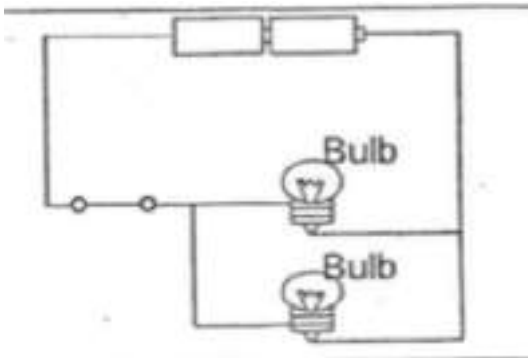
Lena wants the switch to be able to turn off the two bulbs at the same time by rearranging the wires. Lena also wants the brightness of the two bulbs to remain the same.

Draw lines (representing the wires) in the diagram below to reconnect the circuit again.

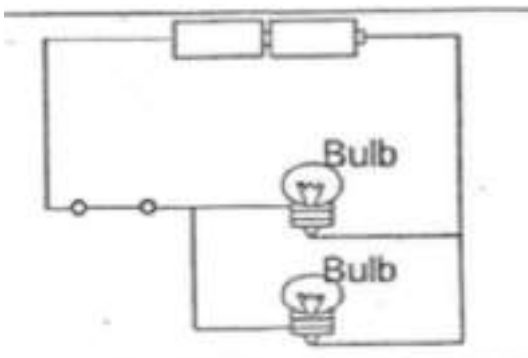


Question Type: Essay
Date Added: Wed 8th Sep 2021
Last Modified: N/A
QID#: 28,950,762

Correctly answered feedback



Incorrectly answered feedback



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