


Primary 4 - Term 4 Science (Red Swastika)

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Test Introduction

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60 Questions (71 Points)

Question Bank: 19,950 Questions 

Test Questions

1 Test Assignment

Question 1

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Booklet A (28 x 2 marks)

For each question from 1 to 28, four options are given. One of them is the correct answer.

A puppy becomes bigger in size after one year.



From the observation, it can be concluded that the puppy is a living thing because it can _____.

- A) grow
- B) breathe
- C) respond
- D) reproduce

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Thu 14th Jan 2021
 Last Modified: N/A
 QID#: 25,871,779

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Question 2

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram shows a rain coat made of plastic.



Plastic is used to make the rain coat because plastic _____.

- A) conducts heat well
- B) is colourful
- ✓ C) is waterproof
- D) floats on water

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,798

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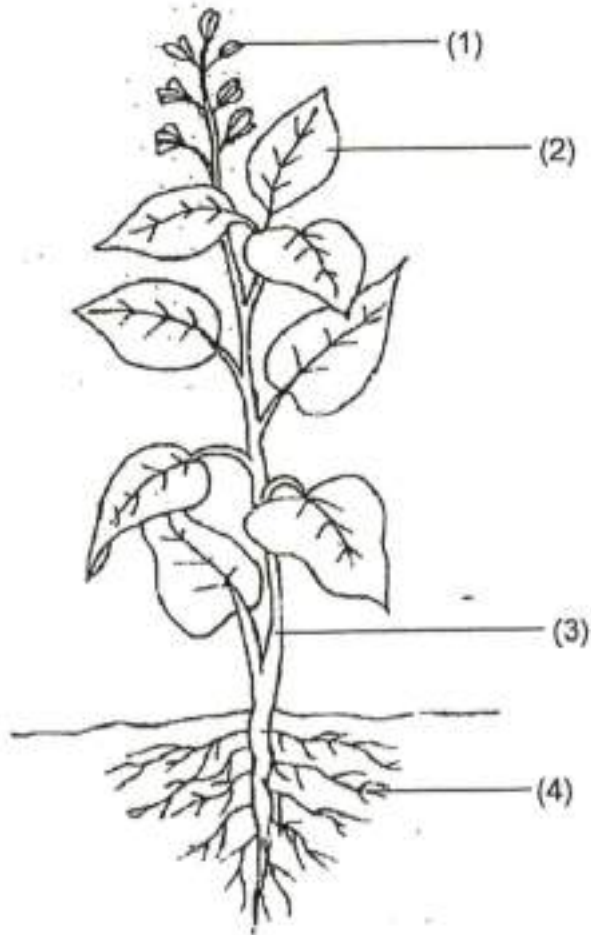
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Question 3

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which part, (1), (2), (3) or (4), helps to keep the plant upright?



- A) 1
- B) 2
- ✓ C) 3
- D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,805

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Question 4

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

In which part of the digestive system is water absorbed from undigested food?

- A) mouth
- B) stomach
- C) smal intestine
- ✓ D) large intestine

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,807

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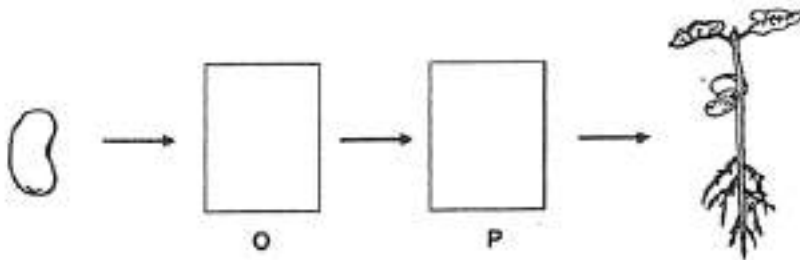
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Question 5

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows the growth of a young plant with two missing stages, O and P.



Which one of the following shows the correct stages for O and P?

	O	P
(1)		
(2)		
(3)		
(4)		

- A) 1
 B) 2
 C) 3
 ✓ D) 4

Question Type: Multiple Choice

Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,813

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Question 6

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Jiaxuan made the following observations on the life cycle of an animal

- There are three stages in the life cycle
- The young does not look like the adult

What animal was Jiaxuan observing?

- A) frog
- B) duck
- C) beetle
- D) butterfly

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,822

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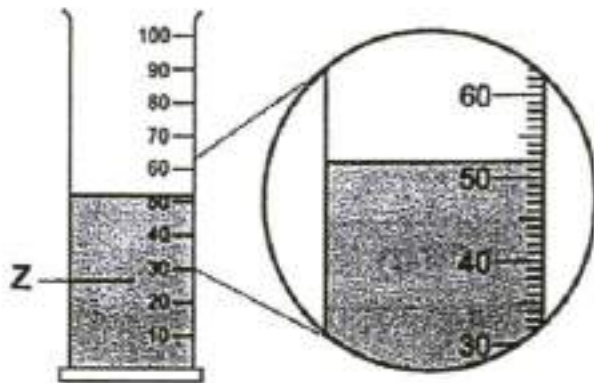
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Question 7

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

In the diagram, what is the volume of liquid Z?



- A) 50ml
- B) 52 ml
- C) 54 ml
- D) 68 ml

Question Type: Multiple Choice
Randomize Answers: No

Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,832

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Question 8

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which one of the following is a source of light?

A)



a leaf

B)



a mirror

C)



the moon

✓ D)



a candle flame

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,848

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Question 9

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which one of the following the the best conductor of heat?

- A) glass spoon
- B) rubber spoon
- ✓ C) metal spoon
- D) wooden spoon

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,857

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Question 10

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which one of the following can be attracted by a magnet?

- A) ceramic cup
- B) glass cup
- ✓ C) steel cup
- D) plastic cup

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,861

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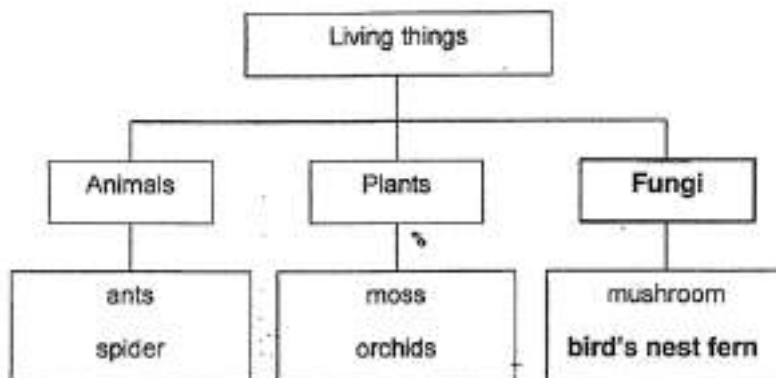
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Question 11

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Erica found some living things in her school garden and classified them in the table shown below.



Which one of the above living things is classified wrongly?

- ✓ A) bird's nest fern
- B) moss

- C) muchroom
- D) spider

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,869

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Question 12

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which one of the following characteristic(s) is/are found in birds, but not in other animals?

- A: They can fly
- B: They have feathers
- C: They reproduce by laying eggs

- 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: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,876

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Question 13

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which one of the following statements are true of the digestive system?

- A: The windpipe is part of the digestive system
- B: Digested food is absorbed in the small intestine
- C: It helps to break down food into simpler substances
- D: Digestion starts at the mouth and ends at the stomach

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

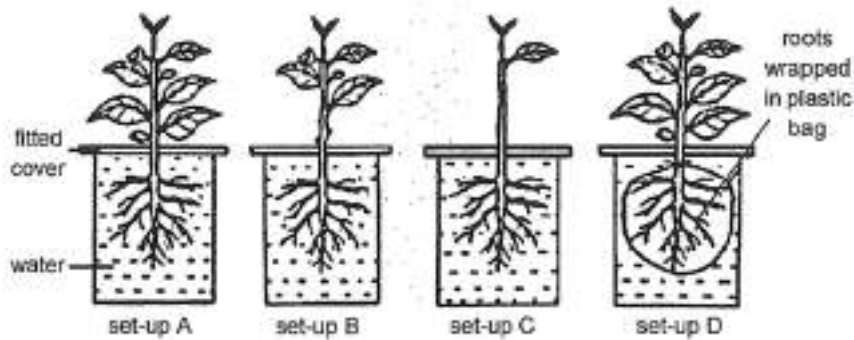
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,911

Question 14

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Steven wanted to find out if the roots of a plant absorb water.



He should choose set-ups _____ for the test.

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

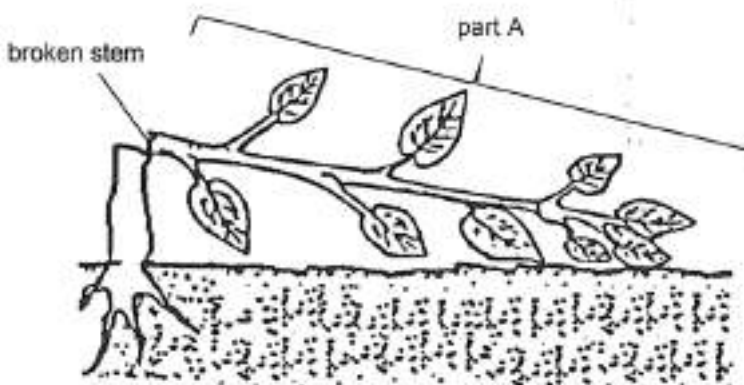
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,918

Question 15

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Tommy saw a tree that had been struck by lightning during a recent thunderstorm at the back of his school field. He noticed that the leaves at part A has turned yellow.



What could be the main reason for the leaves to turn yellow?

- A) The roots cannot take in water from the ground

- ✓ B) The stem cannot transport water to the leaves
- C) The roots cannot anchor the plant to the ground
- D) The leaves cannot hold the plant upright

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,924

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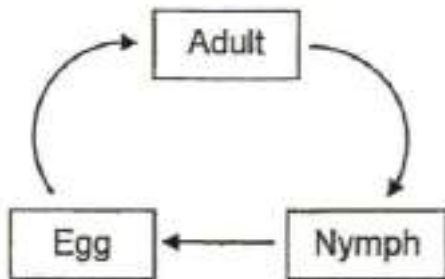
Question 16

Primary 4 Science » Primary 4 Science (Term 4)

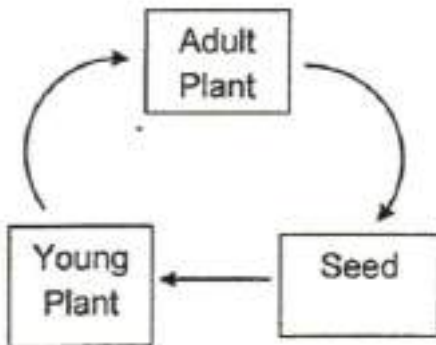
2 pts

Which one of the following life cycles is wrong?

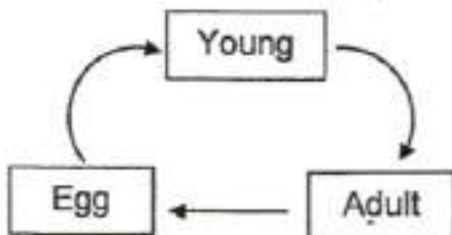
- ✓ A)



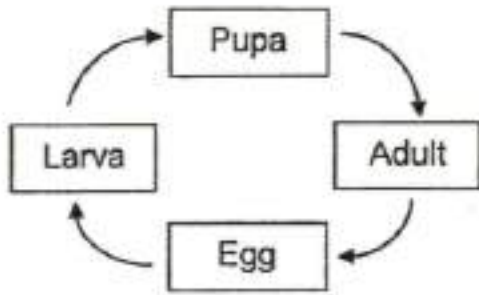
- B)



- C)



- D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,938

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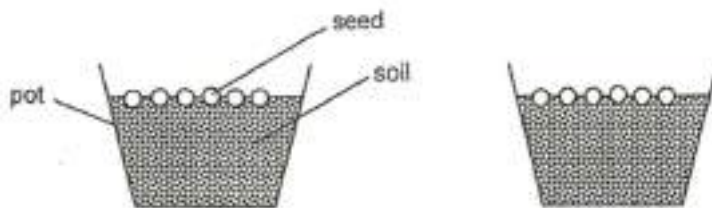
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Question 17

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Devi wants to find out if the amount of light affects the time taken for seeds to germinate.



Which variable should she change when conducting her experiment?

- A) type of soil
- B) type of seeds
- ✓ C) location of the pots
- D) amount of water added

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,951

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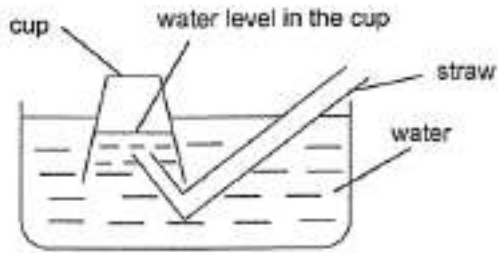
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Question 18

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Nasir sets up an experiment as shown in the diagram below.



Nasir blows some air into the straw.

Which of the following options best describes the observation in the cup and the reason?

	Water level in the cup	Reason
(1)	fall	Water in the cup entered the straw.
(2)	fall	Air blown out pushed the water out of the cup.
(3)	rise	Air blown out pulled more water into the cup.
(4)	remain unchanged	No water entered or left the cup.

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
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QID#: 25,871,962

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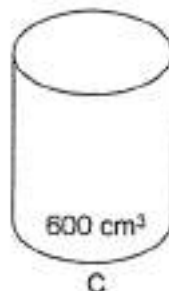
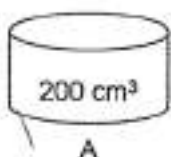
Question 19

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Anqi wants to transfer 400cm^3 of liquid from a tank to a container.

Which of the following container(s) can she use to hold the liquid?



- A) B only

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,971

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Question 20

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

A piece of glass is used to protect a photograph in a photo frame. You can see the photograph because glass _____

- A) is a solid
 B) reflects light
 C) gives off light
 ✓ D) allows light to pass through

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,990

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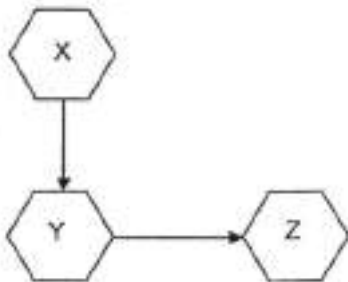
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Question 21

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

In the diagram below, the arrows indicate the path of light.



Which of the following options best fits X, Y, and Z for us to see a book?

	X	Y	Z
(1)	lamp	book	eyes
(2)	book	lamp	eyes
(3)	eyes	lamp	book
(4)	book	eyes	lamp

- A) 1



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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,871,994

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Question 22

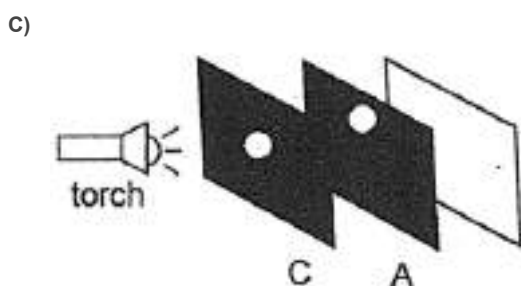
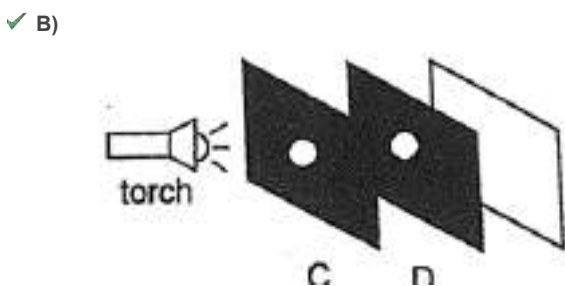
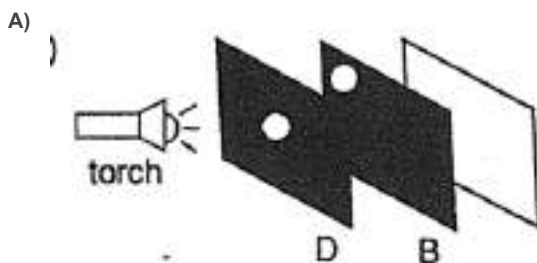
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

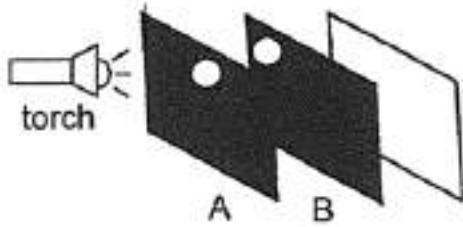
Germaine set up an experiment to show that light travels in a straight line. She took four cards, A, B, C and D, with holes punched through them as shown below.



She used different combinations of these cards with a blank white card placed at the back as shown below. Which of the four experiments would a spot of light form on the white card?



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,872,004

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Question 23

Primary 4 Science » Primary 4 Science (Term 4)

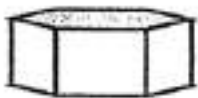
2 pts

The following shadow was formed on a wall by an object.



Which one of the following objects could not have possibly formed the above shadow?

A)



B)



C)



✓ D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,872,019

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Question 24

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Ivan tried to open a strawberry jam jar with a tight metal lid and he found it hard to do so.



What could Ivan do to open the metal lid without breaking the jar?

- ✓ A) Pour hot water only on the metal lid
- B) Pour hot water only on the glass jar
- C) Put the whole jar in a basin of hot water
- D) Pour cold water only on the metal lid

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,872,039

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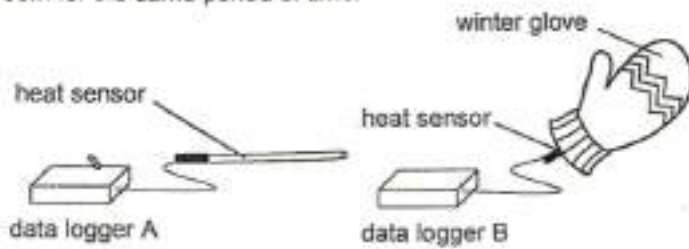
Question 25

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Sam conducted an experiment using two data loggers, A and B, that are connected with heat sensors.

He left the heat sensor of data logger A on the table while placing the heat sensor of data logger B into a winter glove. Both heat sensors are kept in the same room for the same period of time.



After fifteen minutes, Sam compared the temperature measurements of both data loggers. Which of the following set of results would be what Sam had recorded?

	Data logger A	Data logger B
(1)	28°C	28°C
(2)	28°C	35°C
(3)	28°C	21°C
(4)	35°C	28°C

- ✓ A) 1
B) 2
C) 3
D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,872,042

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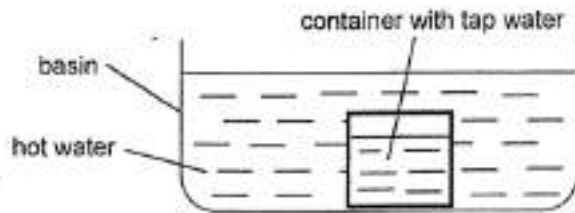
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Question 26

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Josiah had four containers, P, Q, R and S, made of different materials. He filled them with the same amount of tap water and placed them in a basin of hot water for fifteen minutes as shown in the diagram below.



He recorded the temperature of the water in the container as shown in the table below.

Container	Temperature of water at the start of experiment (°C)	Temperature of water after experiment (°C)
P	28	40
Q	28	35
R	28	37
S	28	50

Which container conducted heat the slowest?

- A) P
- ✓ B) Q
- C) R
- D) S

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Thu 14th Jan 2021
 Last Modified: N/A
 QID#: 25,872,100

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

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Question 27

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Gopal used the stroke method to magnetise an iron nail. He placed the magnetised iron nail near three different objects, L, M and N, and recorded his observation in the table below.

	Objects		
	L	M	N
Attracted by the iron nail	No	Yes	Yes
Repelled by the iron nail	No	Yes	No

Which of the following statements about objects L, M and N is/are definitely true?

- A: Object M is a magnet.
- B: Object L is made of a non-magnetic material.
- C: Object N is made of a non-magnetic material.

- 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: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,872,158

[Answers](#) |
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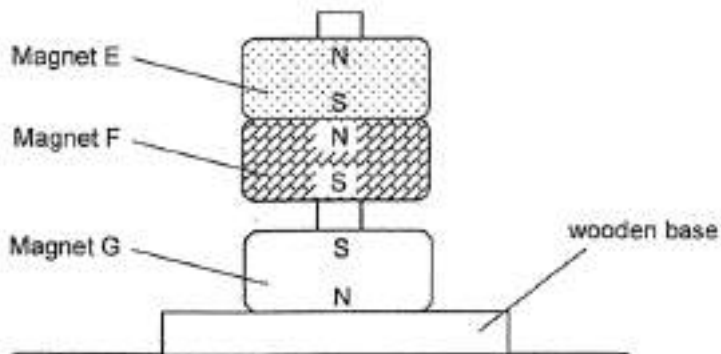
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Question 28

Primary 4 Science » Primary 4 Science (Term 4)

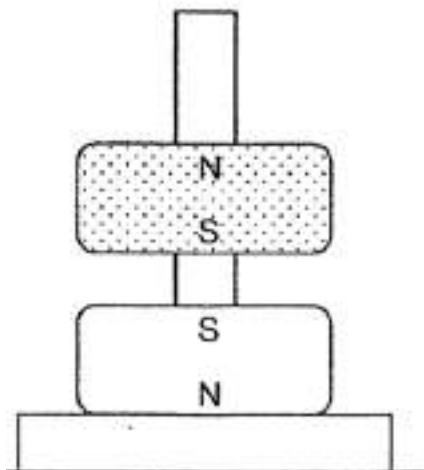
2 pts

Krishnan placed three ring magnets, E, F and G, through a holder as shown below.

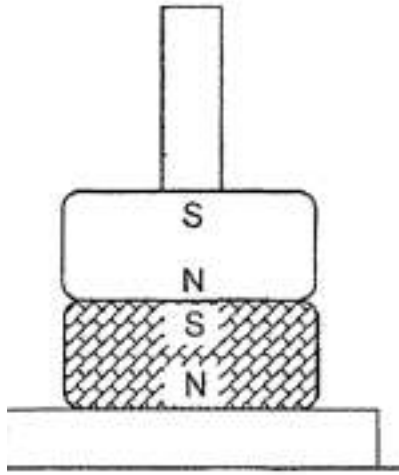


Which one of the following arrangements is not possible?

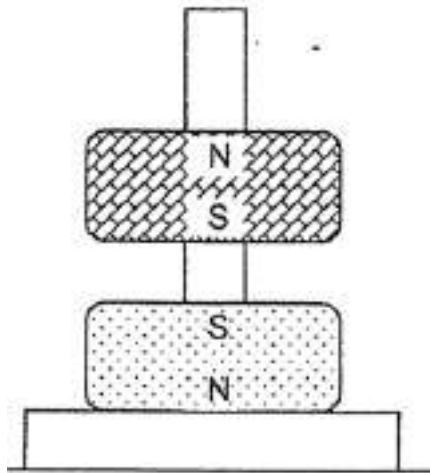
A)



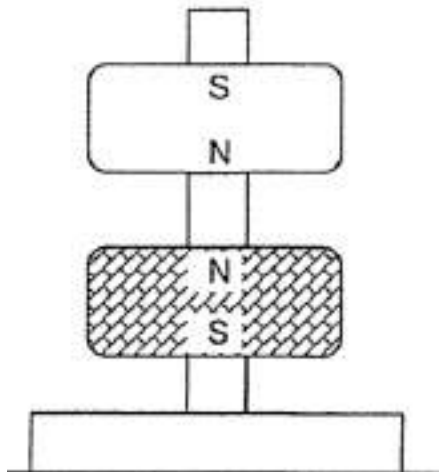
B)



c)



✓ D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,872,177

Question 29

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Booklet B

This section is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Match the animals to the correct groups

Clue

Match

insect



fish



Question Type: Matching
Grade style: Full points if all answers are correct
Shuffle Mode: Shuffle Matches Only
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,872,682

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Question 30

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Fill in the correct parts of a plant in the table. (2m)

Functions of plant parts	Plant parts
It holds the plant firmly in the ground.	
It helps the plant to make food.	

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,872,692

Correctly answered feedback

It holds the plant firmly in the ground	roots
It helps the plant to make food.	leaves

Incorrectly answered feedback

It holds the plant firmly in the ground	roots
It helps the plant to make food.	leaves

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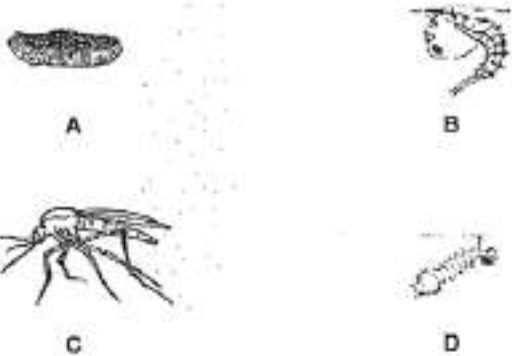
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Question 31

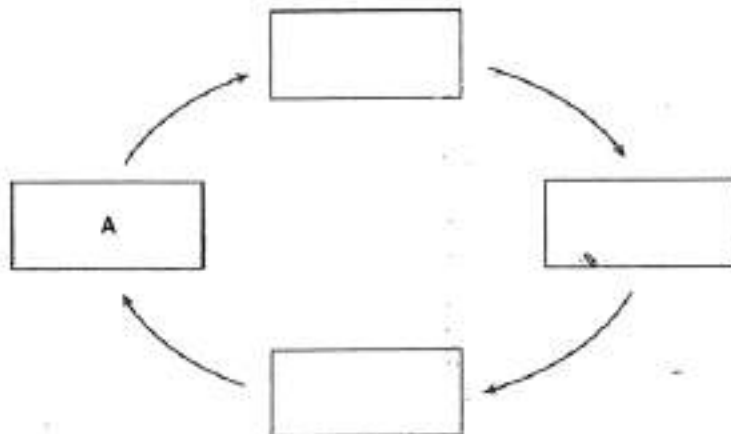
Primary 4 Science » Primary 4 Science (Term 4)

0 pts

A, B, C and D are the various stages in the life cycle of a mosquito.



Arrange A, B, C and D in the correct order of the life cycle starting from A. (1m)

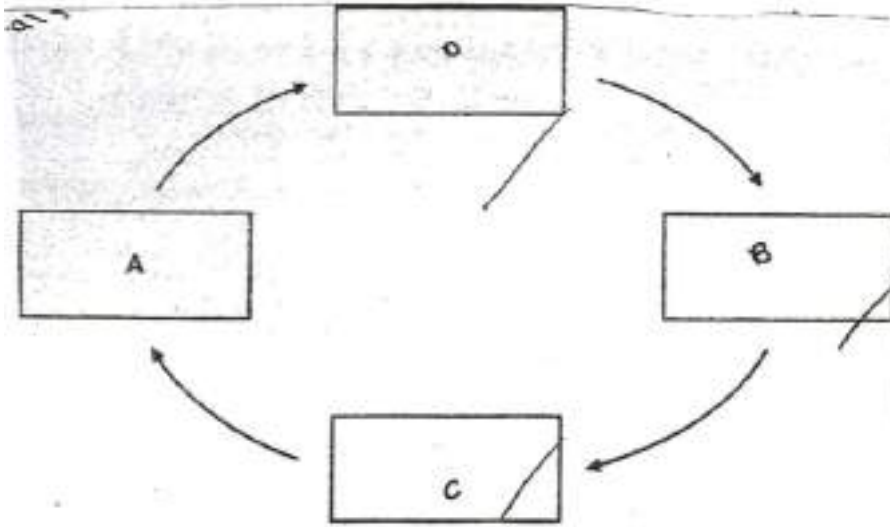


Please type

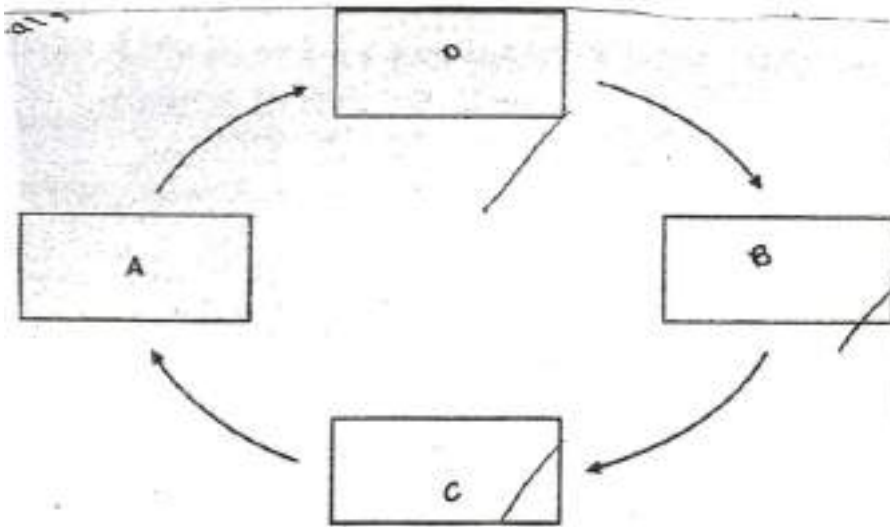
"done" to proceed to the next question

Question Type: Essay
 Date Added: Thu 14th Jan 2021
 Last Modified: N/A
 QID#: 25,872,701

Correctly answered feedback



Incorrectly answered feedback



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

[Remove From Test](#)

Question 32

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

State one other animal that has a similar life cycle as a mosquito

Accepted answers:

✓ butterfly

Question Type: Free Text
 Date Added: Thu 14th Jan 2021

Last Modified: N/A
QID#: 25,872,708

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

[Remove From Test](#)

Question 33

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows a cooking pot.



The handles of the pot are made of plastic because plastic is a _____ conductor of heat. (1m)

The pot is made of metal because metal is a _____ conductor of heat. (1m)

Accepted answers:

- ✓ poor, good
- ✓ poor , good
- ✓ poor good
- ✓ poor ,good

Question Type: Free Text
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,872,718

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

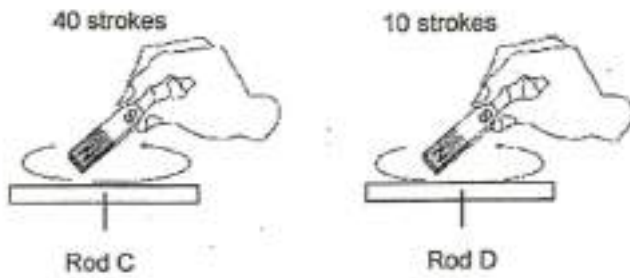
[Remove From Test](#)

Question 34

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Joy stroked two similar iron rods, C and D, with the same magnet as shown in the figure below.



Both rods became magnets and were used to attract similar iron pins.

attracted _____ than rod D

Rod C

- A) less pins than
- B) the same number of pins as
- ✓ C) more pins than

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,872,729

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

[Remove From Test](#)

Question 35

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Joy's observation shows that iron is a _____ material.

- A) flexible
- ✓ B) magnetic
- C) strong

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,872,733

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

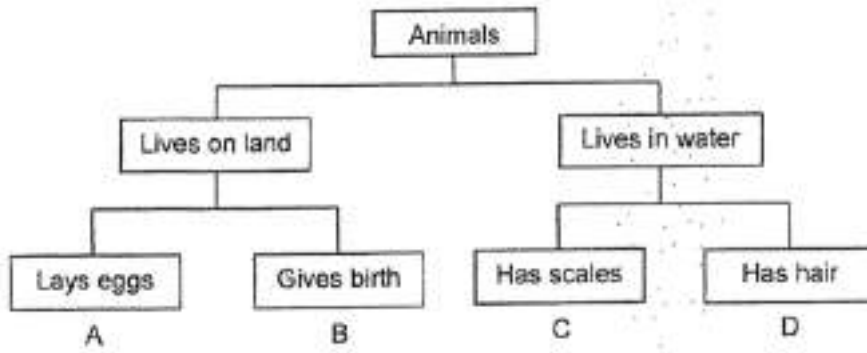
[Remove From Test](#)

Question 36

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Study the classification chart below carefully.



Based on the chart, what are the characteristics of animal A? (2m)

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,353

Correctly answered feedback

Animal A lives on land and lay eggs

Incorrectly answered feedback

Animal A lives on land and lay eggs

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

[Remove From Test](#)

Question 37

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

In which group could the following animals be classified?

Goldfish: _____

- A) A
- B) B
- ✓ C) C
- D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,369

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

[Remove From Test](#)

Question 38

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Monkey: _____

- A) A
 ✓ B) B
 C) C
 D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,372

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

[Remove From Test](#)

Question 39

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Based on the chart, what is the breathing method for animal D?

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,386

Correctly answered feedback

The breathing method for animal D is the lungs.

Incorrectly answered feedback

The breathing method for animal D is the lungs.

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

[Remove From Test](#)

Question 40

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Gareth had two identical pots of plant X that were of the same height. He wanted to find out if the amount of fertilisers added to the soil would affect the height of the plant. The table below shows how Gareth set up his experiment.

Variable	Set-up A	Set-up B
Type of plant	Plant X	Plant X
Amount of fertilisers added each day	5g	25g
Number of leaves on the plant in the beginning	20	60
Amount of water given each day	800 ml	500 ml
Location of the pot	In the garden	In the garden

From the table above, what are the two changes to set-up B Gareth must make so that the test is fair. (2m)

Change 1: _____

Change 2: _____

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,405

Correctly answered feedback

1. Gareth has to make the number of leaves in set-up B the same as that in set-up A.
2. Gareth has to give set-up B the same amount of water (per day) as set-up B

Incorrectly answered feedback

1. Gareth has to make the number of leaves in set-up B the same as that in set-up A.
2. Gareth has to give set-up B the same amount of water (per day) as set-up B

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

[Remove From Test](#)

Question 41

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Farmer Tan spotted some butterfly eggs on the underside of a leaf of a plant in his farm.



State an advantage why butterflies lay their eggs on the underside of the leaf. (1m)

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,423

Correctly answered feedback

The predators would not be able to find the eggs and eat it as the butterflies' eggs are on the underside of the leaf

Incorrectly answered feedback

The predators would not be able to find the eggs and eat it as the butterflies' eggs are on the underside of the leaf

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

[Remove From Test](#)

Question 42

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

At which stage of the butterfly's life cycle is it most damaging to the leafy vegetables that Farmer Tan grows? Explain your answer

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A

QID#: 25,876,461

Correctly answered feedback

The larva stage. The larva needs to eat as it needs to grow and they only eat leaves, thus the larva stage will do the most damaging to the leafy vegetables that farmer Tan grows.

Incorrectly answered feedback

The larva stage. The larva needs to eat as it needs to grow and they only eat leaves, thus the larva stage will do the most damaging to the leafy vegetables that farmer Tan grows.

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

[Remove From Test](#)**Question 43**

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Which shows the living thing that Farmer Tan drew the life cycle of?

- A) Mushroom
 ✓ B) Tomato plant
 C) Bird's nest fern

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,536

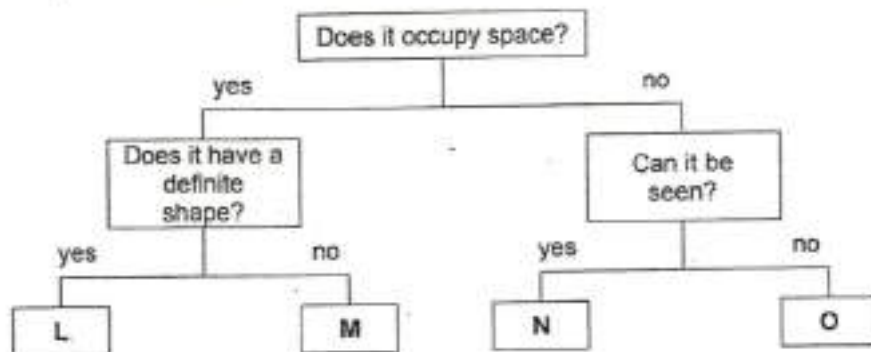
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)**Question 44**

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the flow chart below carefully.



In which group, L, M, N and O, would the following items be classified? (2m)

Match

the options below:

Clue	Match
ice	L
sound	O
oxygen	M

shadow

N

Question Type: Matching
Grade style: Full points if all answers are correct
Shuffle Mode: Shuffle Matches Only
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,553

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

[Remove From Test](#)

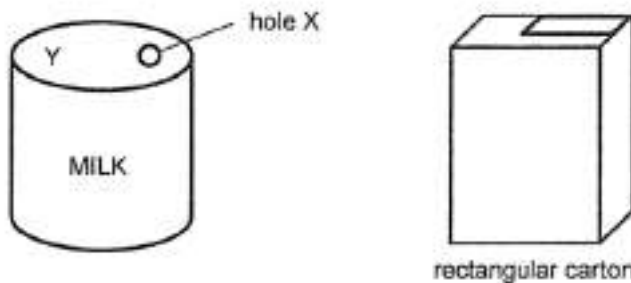
Question 45

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Gensen poked hole X on a tin of milk and tried to pour the milk out into a rectangular carton. He found that the milk was flowing too slowly.

His mother suggested to him to poke another hole at Y so that the milk can flow out faster from hole X.



Explain how poking another hole at Y allowed the milk to flow out faster from hole X. (2m)

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,566

Correctly answered feedback

The air in the surrounding is able to enter hole Y to push the milk out from hole X

Incorrectly answered feedback

The air in the surrounding is able to enter hole Y to push the milk out from hole X

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

[Remove From Test](#)

Question 46

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

State the property of the milk that allowed the milk to be stored in containers of different shapes.

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,579

Correctly answered feedback

Milk has no definite shape

Incorrectly answered feedback

Milk has no definite shape

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

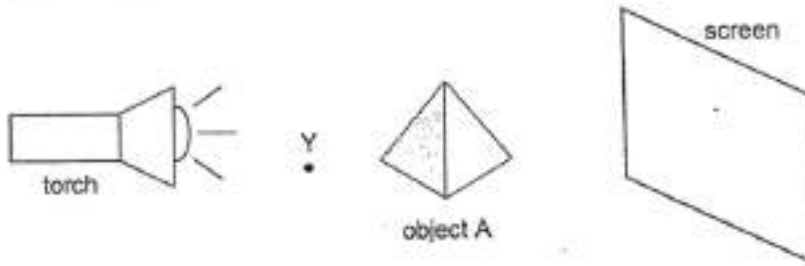
[Remove From Test](#)

Question 47

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Kai Zhen placed object A between a torch and a screen in a dark room as shown below.



She observed a shadow formed on the screen.

- i) Explain how the shadow of object A was formed on the screen. (1m)

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,595

Correctly answered feedback

The shadow is formed when the light is blocked by object A

Incorrectly answered feedback

The shadow is formed when the light is blocked by object A

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

[Remove From Test](#)

Question 48

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Kai Zhen shifted object A to position Y. What would be the change in size of the shadow observed on the screen?

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,609

Correctly answered feedback

The size of shadow will be bigger

Incorrectly answered feedback

The size of shadow will be bigger

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

[Remove From Test](#)

Question 49

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Kai Zhen replaced object A with objects B and C, one after the other. The three objects are of the same shape and size but made of different materials.

She recorded her observation of the darkness of the shadow formed in the table below.

Objects	Observation of the shadow formed
A	very dark
B	less dark
C	no shadow formed

) Classify the objects, A, B and C, in the box under the most suitable headings. (1m)

Match

the options below:

Clue	Match
Allows most light to pass through	C
Allows some light to pass through	B
Does not allow light to pass through	A

Question Type: Matching

Grade style: Full points if all answers are correct

Shuffle Mode: Shuffle Matches Only

Date Added: Thu 14th Jan 2021

Last Modified: N/A

QID#: 25,876,628

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

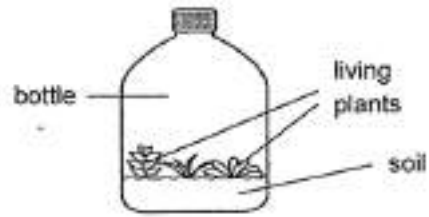
[Remove From Test](#)

Question 50

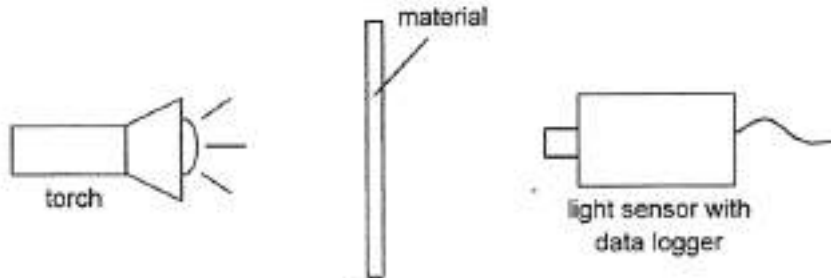
Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Kai Zhen had to bring a bottle to school as she had to create a terrarium as shown below.



She conducted an experiment in a dark room to find out which material would be the most suitable to be selected for the bottle.



The results are shown in the table below.

Material	Light measured by the data logger (unit)
X	200
Y	250
Z	180

Based on the table, explain which material, X, Y or Z, would be the most suitable for the bottle to allow the plants in the terrarium to grow the best. (2m)

Question Type: Essay
 Date Added: Thu 14th Jan 2021
 Last Modified: N/A
 QID#: 25,876,645

Correctly answered feedback

Material Y. Y allows the most light to pass through for plants to make food

Incorrectly answered feedback

Material Y. Y allows the most light to pass through for plants to make food

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

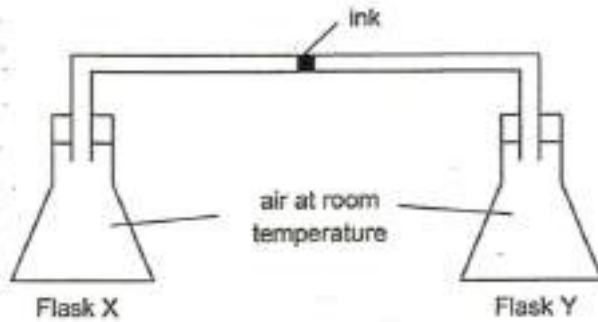
[Remove From Test](#)

Question 51

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Khairul sets up an experiment using two identical glass flasks, X and Y, connected by a glass tube which contains a drop of ink as shown below.



Put a tick (✓) in the correct box on what Khairul will observe about the drop of ink in the glass tube after flask Y is placed in ice water for five minutes. (1m)

- A) The ink remains at its original position
- B) The ink moves towards flask X
- ✓ C) The ink moves towards flask Y

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,663

Correctly answered feedback

The ink moves towards flask Y

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

[Remove From Test](#)

Question 52

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Explain your answer in part (a)

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,682

Correctly answered feedback

The air in the flask Y loses heat and contracts. There is more space in flask Y which pulls the ink towards flask Y to occupy space.

Incorrectly answered feedback

The air in the flask Y loses heat and contracts. There is more space in flask Y which pulls the ink towards flask Y to occupy space.

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

[Remove From Test](#)

Question 53

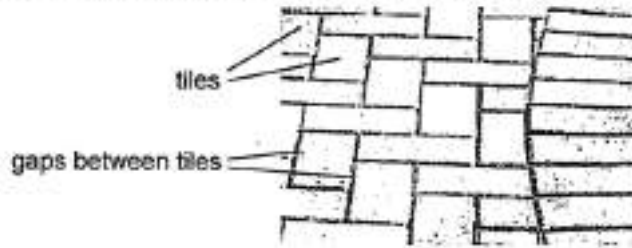
Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Khairul conducts another experiment by heating two different materials, P and Q, that are of the same size and thickness for the same amount of time. The results are shown in the table below.

Material	Length before heating (cm)	Length after heating (cm)
P	20	24
Q	20	20.5

The diagram below shows the tiles used on a pavement.



Based on the table, which material, P or Q, is more suitable to be used to make the tiles for the pavement? Explain your answer. (2m)

Question Type: Essay
 Date Added: Thu 14th Jan 2021
 Last Modified: N/A
 QID#: 25,876,698

Correctly answered feedback

Q. Q expand less when heated. The tiles on the pavement will not expand too much to cause damage to the pavement during hot days.

Incorrectly answered feedback

Q. Q expand less when heated. The tiles on the pavement will not expand too much to cause damage to the pavement during hot days.

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

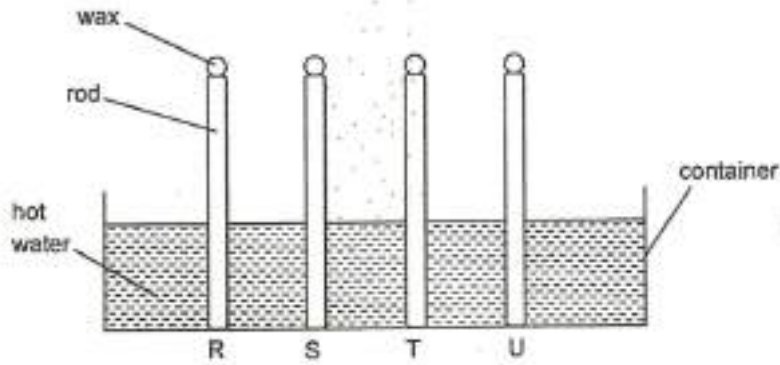
[Remove From Test](#)

Question 54

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Danny placed four rods made of different materials, R, S, T and U, into a container of hot water as shown below.



The rods had the same amount of wax on top of it. He recorded the time taken for each wax to melt completely on the rod in the table as shown below.

Material of rod	Time taken for the wax to melt completely (min)
R	10
S	2
T	15
U	8

) What was the aim of Danny's experiment? (1m)

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,708

Correctly answered feedback

Danny wanted to find out if the materials affect the time taken for the way to melt

Incorrectly answered feedback

Danny wanted to find out if the materials affect the time taken for the way to melt

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

[Remove From Test](#)

Question 55

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Name one variable that Danny needed to keep constant to ensure a fair test.

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,718

Correctly answered feedback

Thickness of the rod/Size of wax on rod

Incorrectly answered feedback

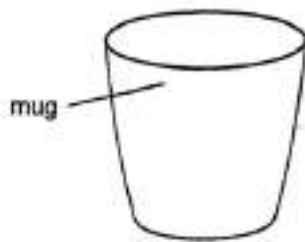
Thickness of the rod/Size of wax on rod

Question 56

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Danny brought a mug without a handle for his school camp to contain drinks.



When he was served with hot milo in his mug, his hand felt warm while holding the mug of hot milo. Explain, in terms of heat flow, how his hand felt warm. (1m)

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,733

Correctly answered feedback

The mug gained heat from the hot milo. His hands gain heat from the hot milk through the mug.

Incorrectly answered feedback

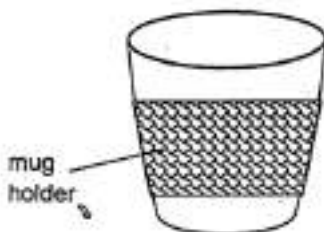
The mug gained heat from the hot milo. His hands gain heat from the hot milk through the mug.

Question 57

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Danny decided to make a mug holder so that his hands would not feel warm whenever he held his mug filled with hot drinks.



From the experiment that Danny had conducted in part (a), suggest which would be the best material, R, S, T or U, he should use to make the mug holder. Explain your answer. (2m)

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,745

Correctly answered feedback

Material T. It is the poorest conductor of heat and will cause the heat from the hot drinks to flow to the hands the slowest.

Incorrectly answered feedback

Material T. It is the poorest conductor of heat and will cause the heat from the hot drinks to flow to the hands the slowest.

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

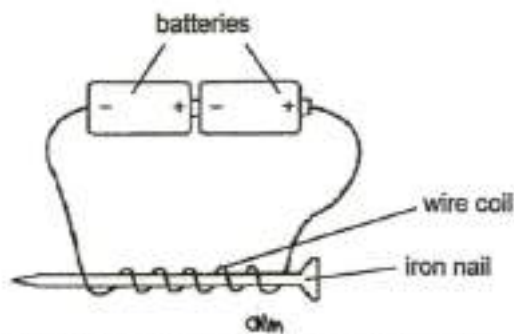
[Remove From Test](#)

Question 58

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Nigel created an electromagnet as shown below.



He wanted to find out if the number of coils around the nail would affect the magnetic strength of the electromagnet.

He increased the number of coils around the nail and placed eight paper clips at the same distance from the electromagnet before recording down the results as shown in the table below.

Number of coils around the nail	5	10	15	20	25
Number of paper clips attracted to the electromagnet	3	4	5	5	5

What is the relationship between the number of coils around the nail and the magnetic strength of the electromagnet until 15 coils? (1m)

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,761

Correctly answered feedback

The more the number of coils around the nail, the greater the magnetic strength of the electromagnet

Incorrectly answered feedback

The more the number of coils around the nail, the greater the magnetic strength of the electromagnet

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

[Remove From Test](#)

Question 59

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

What could Nigel do to the batteries for the electromagnet to attract more than five paper clips?

Question Type: Essay
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,771

Correctly answered feedback

Increase the number of batteries

Incorrectly answered feedback

Increase the number of batteries

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

[Remove From Test](#)

Question 60

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

For the nail to be an electromagnet, give an example of another material that the nail could be made of.

Accepted answers:

- ✓ steel
- ✓ cobalt
- ✓ nickel

Question Type: Free Text
Date Added: Thu 14th Jan 2021
Last Modified: N/A
QID#: 25,876,787

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

[Remove From Test](#)