ClassMarker

Tests Edit Test

Tests Groups Links

Primary 4 - Term 2 (SA1) Science (St Hilda)

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Test Introduction

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60 Questions (68 Points)

Question Bank: 19,950 Questions

Test Questions | **1** Test Assignment

Question 1

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

Booklet A (28 x 2 marks}
For each question from 1 to 28, four options are given. One of them is the correct answer.

Which one of the following is true about the human circulatory system?

A) It helps different parts of the body to move

B) It breaks down food into simpler substances

C) It supports the body and gives the body its shape

✓ **D)** It carries digested food, water and oxygen in the blood to all parts of the body

Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,835,931*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 2

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

Study the diagram of the human body system below.

Which one of the following statements is <u>not</u> correct about the above human body system?

A) It takes in air into the body

B) It removes air from the body

✓ **C)** It protects the heart and the lungs

D) It is made up of the nose, windpipe and lungs

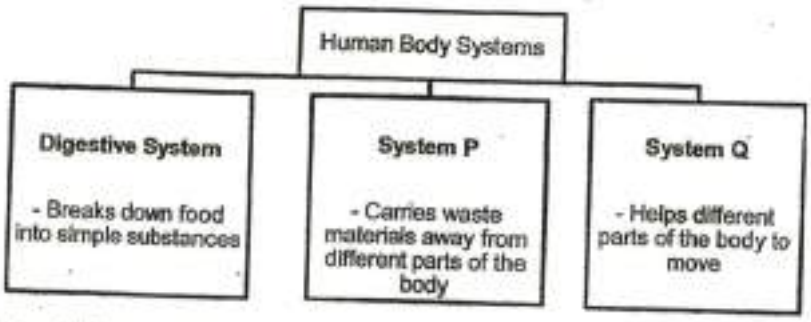
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,835,950*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 3

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

Study the concept map below carefully.



What could Systems P and Q be?

	System P	System Q
(1)	Circulatory	Muscular
(2)	Circulatory	Respiratory
(3)	Muscular	Skeletal
(4)	Digestive	Skeletal

✔ **A)** 1

B) 2

C) 3

D) 4

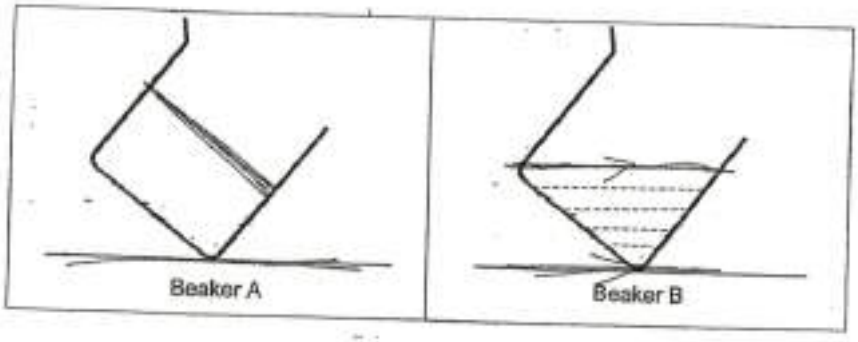
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,187*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 4

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

Beaker A and Beaker B contain water.



Name the state of water in Beaker A and Beaker B.

	Beaker A	Beaker B
(1)	Solid	Solid
(2)	Solid	Liquid
(3)	Liquid	Solid
(4)	Liquid	Liquid

A) 1

✓ **B)** 2

C) 3

D) 4

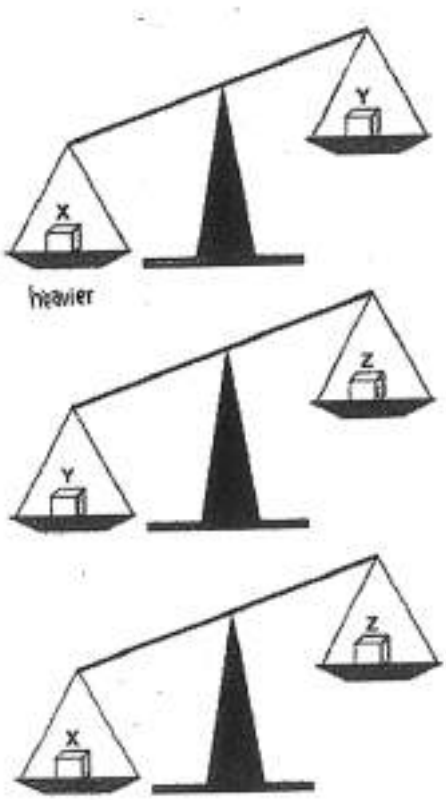
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,196*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 5

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

5 The diagrams below show objects X, Y and Z on a balancing scale.



Which one of the following shows objects X, Y and Z arranged in an increasing order of mass?

	Least amount of mass → Most amount of mass		
(1)	X	Y	Z
(2)	Y	X	Z
(3)	Y	Z	X
(4)	Z	Y	X

A) 1

B) 2

C) 3

✓ **D)** 4

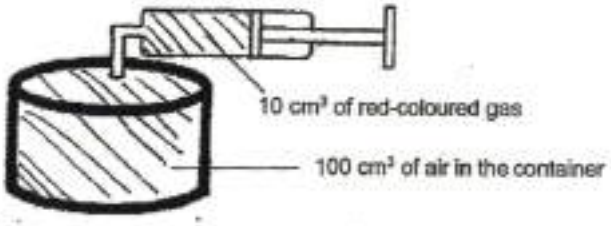
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,205*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 6

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

Daniel conducted an experiment with a container that has a volume of 100 cm^3.
He filled up the container with 100 cm^3 of air.
Then, he pumped another 10 cm^3 of red-coloured gas into the container.



This led him to conclude that a gas _____.

(A) can be compressed

(B) does not have a definite shape

(C) does not have a definite volume

A) A 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:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,223*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 7

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

Which of the following is not a source of heat?

A)

The Sun

B)

A lit candle

C)

An electric stove

✓ D)

A woollen sweater

Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,243*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 8

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

Samuel made a cup of hot tea. He left it on the table at room temperature of 25 °C for 30 minutes until it cooled down.

The temperature of the tea was measured and is shown in the table below.

	Temperature of tea (°C)
At first	80
After 30 min	25

Which of the following statements best explains the change in temperature after 30 minutes?

A) The cup loses heat to the hot tea

B) The cup gains heat from the surroundings

✓ **C)** The hot tea loses heat to the surroundings

D) The hot tea gains heat from the surroundings

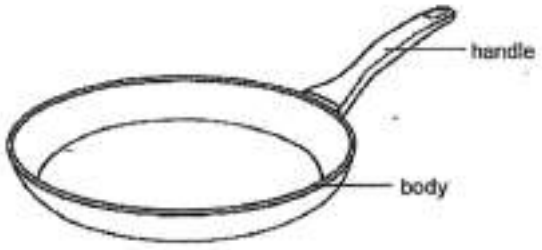
Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,836,265*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 9

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

The diagram below shows a frying pan.



Which is a suitable material to make the body and the handle of the frying pan?

	Material for Body	Material for Handle
(1)	Metal	Plastic
(2)	Metal	Fabric
(3)	Plastic	Plastic
(4)	Plastic	Wood

✓ **A)** 1

B) 2

C) 3

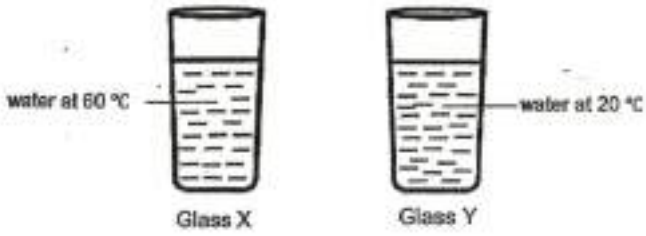
D) 4

Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,274*

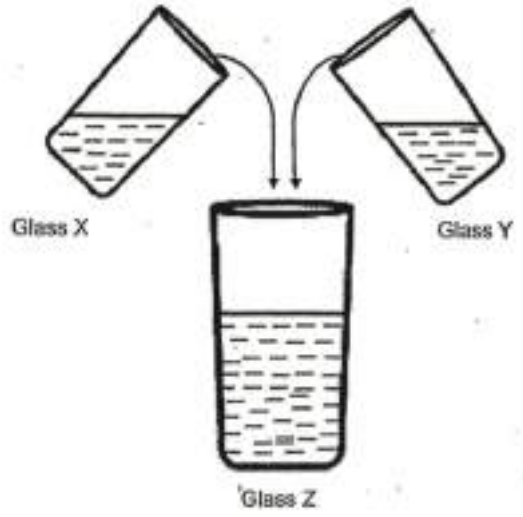
Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 10

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



Next, he poured all the water from both glasses, X and Y, into an empty Glass Z.



What would be the most likely temperature of water in Glass Z?

A) 20 °C

✓ **B)** 40 °C

C) 60 °C

D) 80 °C

Question Type:	*Multiple Choice*

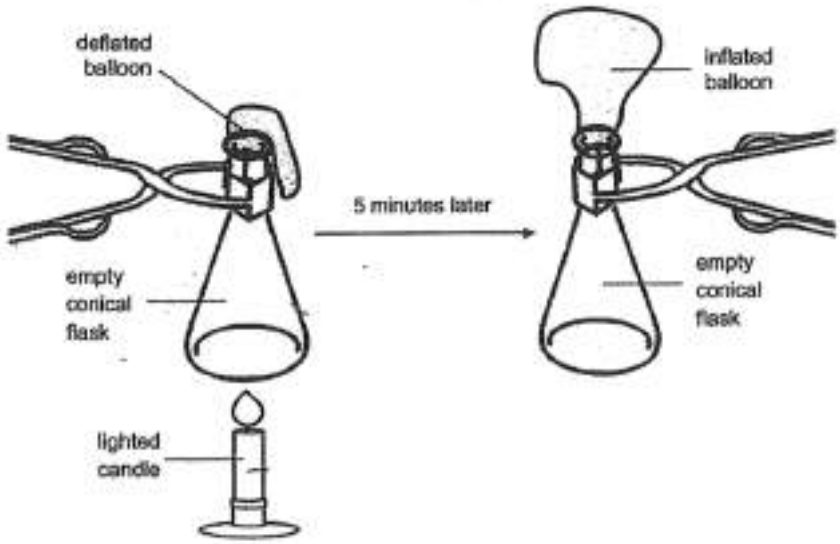
Randomize Answers: *No*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,836,295*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 11

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

Peter heated an empty conical flask with a deflated balloon tightly placed over its mouth. 5 minutes later, the balloon became inflated.



Which of the following best explains why the deflated balloon became inflated after 5 minutes?

A) The bottle lost heat and contracted

B) The air inside the bottle lost heat and contracted

✓ **C)** The air inside the bottle gained heat and expanded

D) The air outside the bottle gained heat and expanded

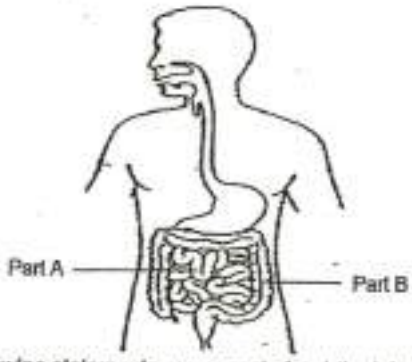
Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,836,305*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 12

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

Study the diagram below.



Which of the following statements are correct about the labelled parts, A and B, in the diagram above?

	Part A	Part B
(1)	Digested food is absorbed into the blood vessels.	Undigested food is absorbed into the blood vessels.
(2)	Digested food is absorbed into the blood vessels.	Water from undigested food is absorbed into the blood vessels.
(3)	Water from undigested food is absorbed into the blood vessels.	Digested food is absorbed into the blood vessels.
(4)	Digestion starts here.	Digestion ends here.

A) 1

✓ **B)** 2

C) 3

D) 4

Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,353*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 13

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

Which of the following is/are true about the human organs systems?

A) The digestive system absorbs digested food into the body
B) The skeletal system protects the heart
C) The circulatory system carries useful substances in the blood to all parts of the body
D) The respiratory system allows air to be taken in and removed from our body

A) A only

B) B and D only

C) A, B and D only

✓ **D)** A, B, C and D

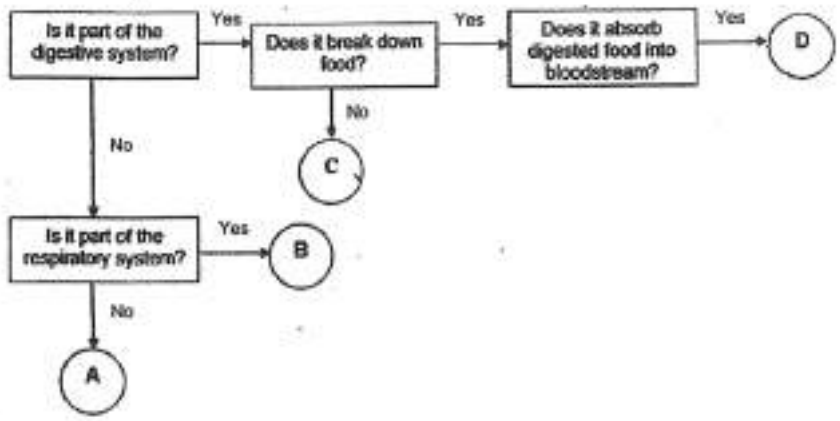
Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,836,605*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 14

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

Study the flow chart below.



Which one of the following mostly likely represent A, B, C and D?

	A	B	C	D
(1)	Heart	Lung	Large intestine	Small intestine
(2)	Lung	Heart	Large intestine	Small intestine
(3)	Heart	Lung	Small intestine	Large intestine
(4)	Lung	Heart	Small intestine	Large intestine

✓ **A)** 1

B) 2

C) 3

D) 4

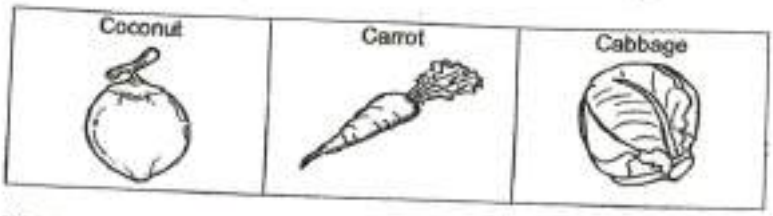
Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,836,616*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 15

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

The diagrams below show the parts of some plants that we eat.



Which of the following correctly shows the parts of the plants that are eaten?

	Coconut	Carrot	Cabbage
(1)	stem	fruit	leaf
(2)	root	stem	leaf
(3)	fruit	root	leaf
(4)	fruit	root	stem

A) 1

B) 2

✓ **C)** 3

D) 4

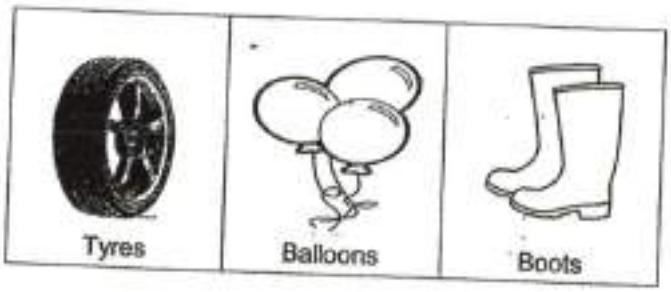
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,633*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 16

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

Tyres, balloons and boots are usually made of rubber.



What is the most important reason for using rubber to make these items?

✓ **A)** Rubber is flexible

B) Rubber floats on water

C) Rubber is not transparent

D) Rubber is a natural material

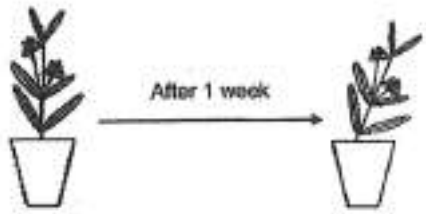
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,650*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

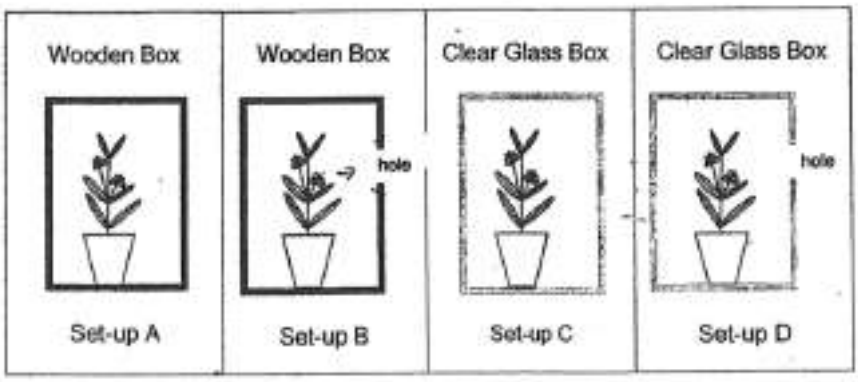
Question 17

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

Joey wanted to find out if plants need sunlight to grow.
The diagrams below show how the plant looked like, one week after her experiment.



Which one of the below set-ups did she use for her experiment?



A) Set-up A

✓ **B)** Set-up B

C) Set-up C

D) Set-up D

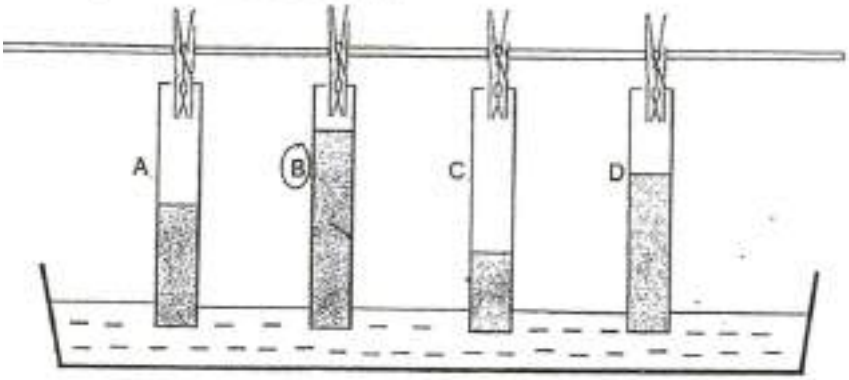
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,662*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 18

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

Four equal-sized strips, A, B, C and D, made of different materials were dipped in coloured water at the same level initially.
The height of the water that travelled up the four strips was measured.
The diagram below shows the results.



Which of the four materials, A, B, C and D, is most suitable to make a beach towel?

A) A

✓ **B)** B

C) C

D) D

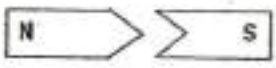
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,674*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 19

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

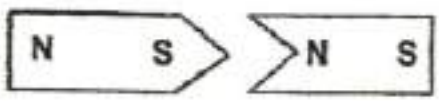
A bar magnet is broken into two pieces.



In which one of the below diagrams are the poles of the new magnets correctly labelled?

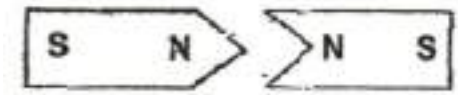
A)

✓ **B)**



C)

D)



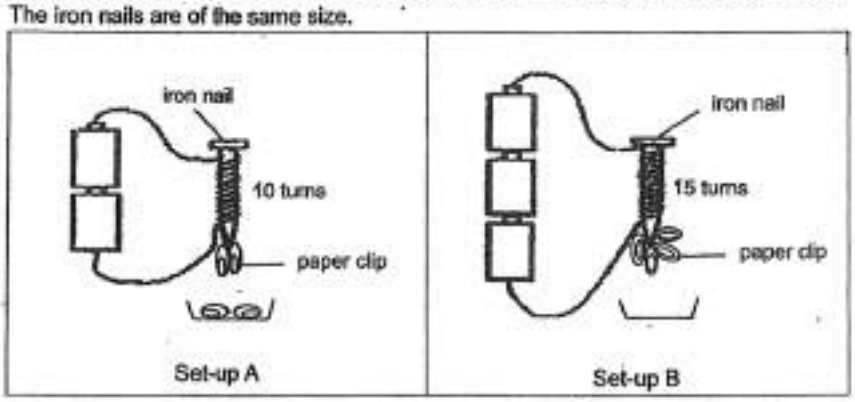
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,698*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 20

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

Study the two set-ups, A and B, of the electromagnets in the diagrams as shown below. The iron nails are of the same size.



Which of the following explains why the iron nail in Set-up B is able to attract more paper clips than the one in Set-up A?

(A) The wire is shorter.

(B) More batteries are used.

(C) Wire is coiled more times around the iron nail.

A) A only

B) A and B only

C) A and C only

✓ **D)** B and C only

Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,709*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 21

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

During a group discussion, three pupils made these statements on the topic of Matter.

Andy: Matter occupies space
Ben: Matter has mass and shadow
Clare: Matter includes micro-organisms such as bacteria

Which statement(s) is/are correct?

A) Andy and Ben

✓ **B)** Andy and Clare

C) Ben and Clare

D) Andy, Ben and Clare

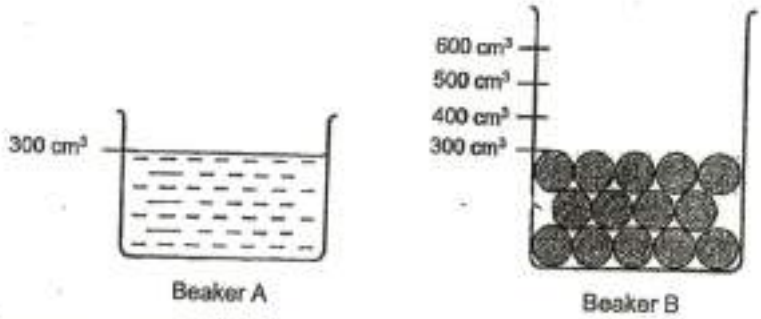
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,745*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 22

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

Jeremy filled Beaker A with 300 cm³ of water. He also filled another Beaker B wit marbles as shown below. Next, he poured all the water from Beaker A into Beaker B.



What would be the possible level of the water with the marbles in Beaker B?

A) 100 cm³

B) 300 cm³

✓ **C)** 500 cm³

D) 600 cm³

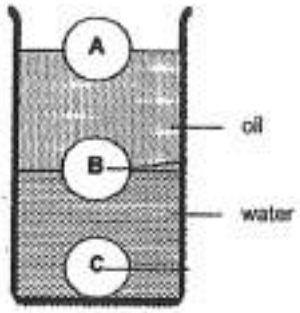
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,776*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 23

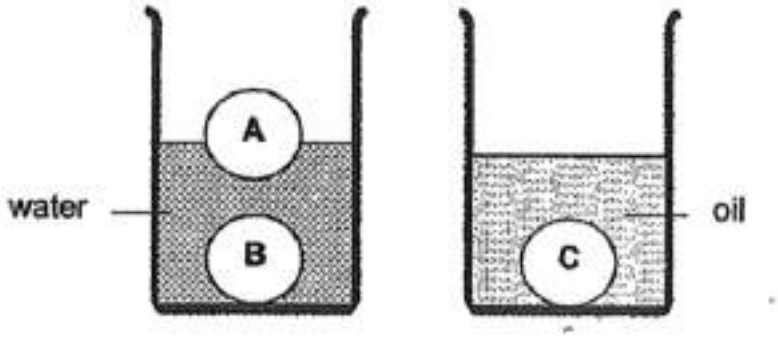
Primary 4 Science » Primary 4 Science (Term 2) 2 pts

Similar balls of different materials, A, B and C are placed in a beaker containing oil and water as shown in the diagram below.

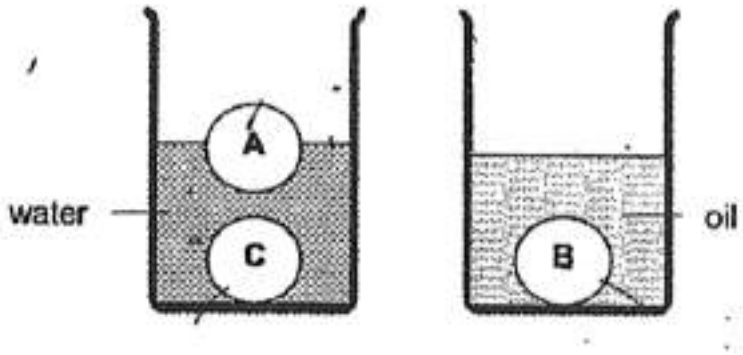


Which one of the following diagrams would show the correct positions of the balls A, B and C, when they are placed in oil and water separately?

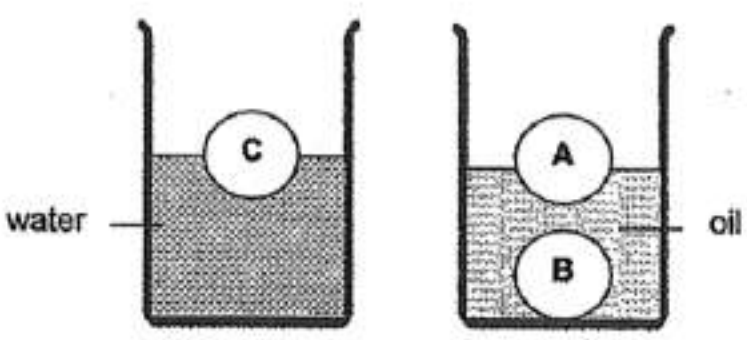
A)



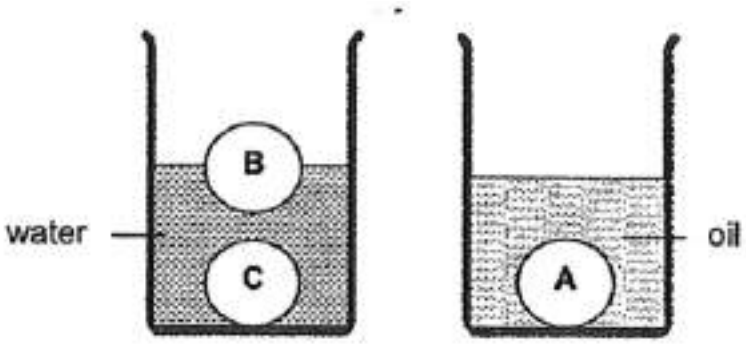
✓ B)



C)



D)



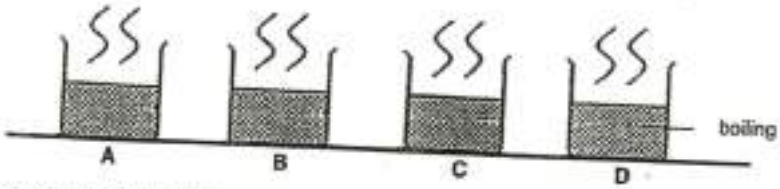
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,836,821*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

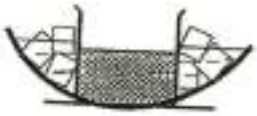
Question 24

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

Sarah put 4 similar glass beakers, A, B, C and D, containing boiling water on the table



She tried to cool the boiling water using the 4 different actions as shown below.

 A. Cover the top of the beaker with a wooden lid	 B. Put a metal spoon in the water
 C. Put the beaker into a basin of ice cubes and water	 D. Put the beaker on the table

Which one of the following shows the temperatures of water in the 4 glass beakers after 30 minutes?

	Highest temperature → Lowest temperature			
(1)	A	B	D	C
(2)	C	D	B	A
(3)	A	D	B	C
(4)	B	A	D	C

A) 1

B) 2

✓ **C)** 3

D) 4

Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,837,489*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 25

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

Four similar beakers were filled with the same volume of water.
Each beaker was wrapped with a different material, P, Q, R and S.
They were heated and the time taken for the water in each beaker to reach 100 °C was recorded as shown below.

Material	Time taken for water to reach 100 °C (min)
P	13
Q	10
R	28
S	18

Which material is most suitable to be used to make a hot water flask to keep the water hot?

A) P

B) Q

✓ **C)** R

D) S

Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,521*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 26

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

Mrs Chew left a slab of solid butter on a plate under the hot sun.

When she came back a few hours later, the butter had changed from
(State 1) to *(State 2)* because *(Reason)*.

	State 1	State 2	Reason
(1)	solid	liquid	the butter gained heat from the surrounding air.
(2)	solid	liquid	the butter lost heat to the surrounding air.
(3)	liquid	solid	the butter lost heat to the surrounding air.
(4)	liquid	solid	the butter gained heat from the surrounding air.

✓ **A)** 1

B) 2

C) 3

D) 4

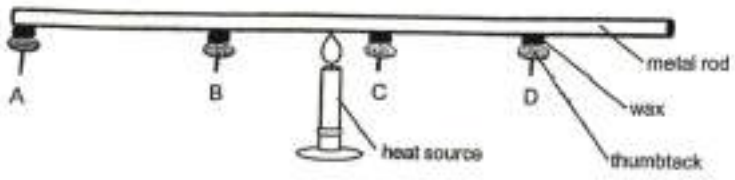
Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,535*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 27

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

Four thumbtacks were attached to a metal rod using the same amount of wax. The metal rod was heated as shown in the diagram below.



After a few minutes, the thumbtacks started to fall off the metal rod one after another. Arrange the thumbtacks in the correct order, starting with the one that would fall off first.

	First	Second	Third	Fourth
(1)	A	B	C	D
(2)	A	D	B	C
(3)	C	B	D	A
(4)	C	D	B	A

A) 1
B) 2
✔ **C)** 3
D) 4

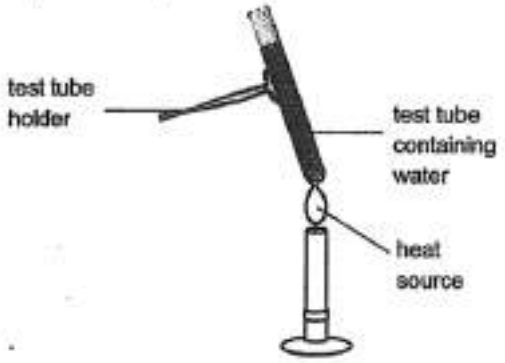
Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,558*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 28

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

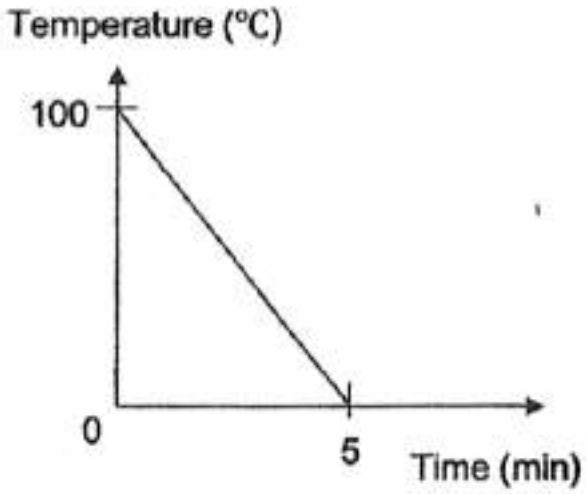
Thomas heated a test tube of water at room temperature until it was boiling.



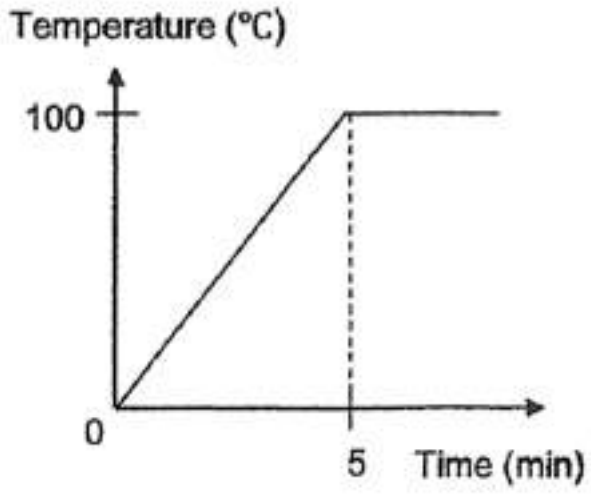
He used a thermometer to measure the temperature of the water over 5 minutes.
He then plotted a graph to show the change in the temperature of the water.

Which one of the graphs below correctly shows the change in the temperature of the water?

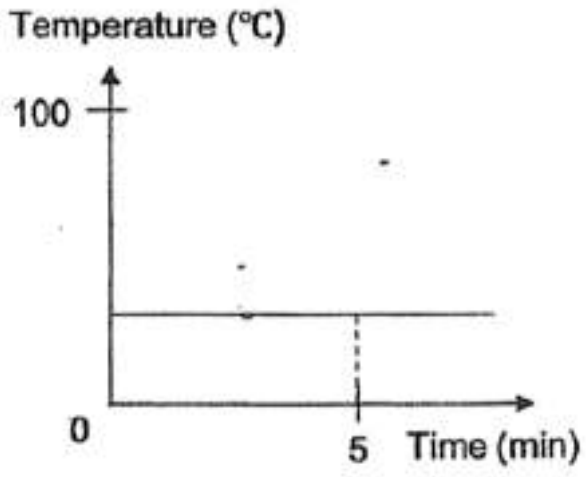
A)



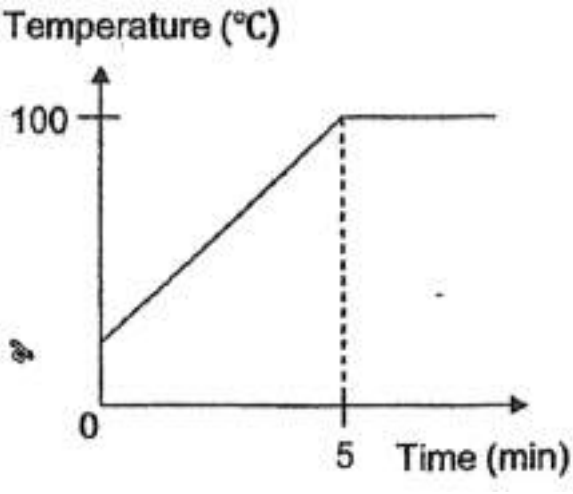
B)



C)



✓ D)



Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,837,590*

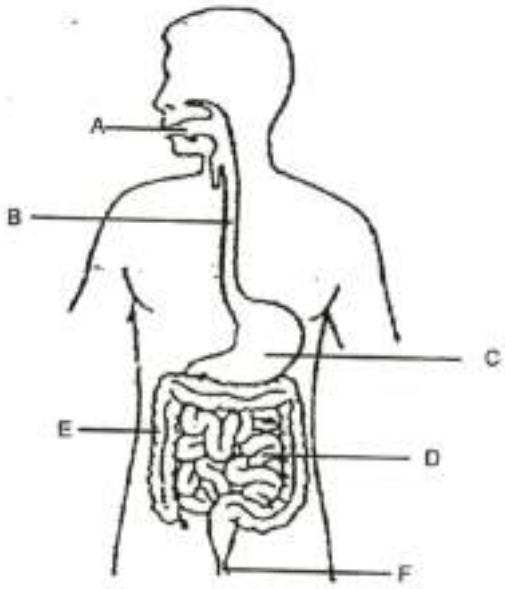
Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 29

Primary 4 Science » Primary 4 Science (Term 2) 1 pt

Booklet B
This section is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

The diagram below shows different parts of the human digestive system.



Based on the diagram above, name 2 parts of the digestive system that contain digestive juices. [1]

✓ **A)** A

B) B

✓ **C)** C

✓ **D)** D

E) E

F) F

Question Type:	*Multiple Response*
Randomize Answers:	*No*
Grade style:	*Full points if all answers are correct*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,837,616*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 30

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

State the function of part B

Question Type:	*Essay*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,837,625*

Correctly answered feedback

It helps to push/move food (and water) from the mouth to the stomach

Incorrectly answered feedback

It helps to push/move food (and water) from the mouth to the stomach

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 31

Primary 4 Science » Primary 4 Science (Term 2) 1 pt

Tom was not feeling well. It was well observed that he passed out watery waste from his digestive system

Identify the part which could be causing this

A) A

B) B

C) C

D) D

✔ **E)** E

F) F

Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,837,639*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 32

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

Explain the reason why

Question Type:	*Essay*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,837,652*

Correctly answered feedback

It is unable to absorb water (and minerals) properly from the undigested food

Incorrectly answered feedback

It is unable to absorb water (and minerals) properly from the undigested food

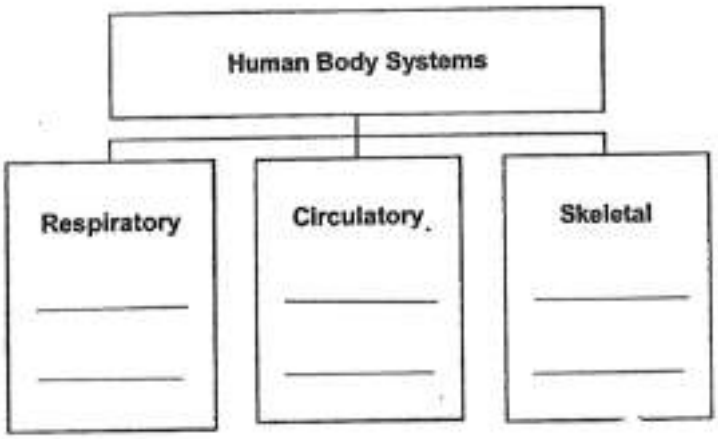
Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 33

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

Fill in the chart below with the different body parts given in the table. [3]

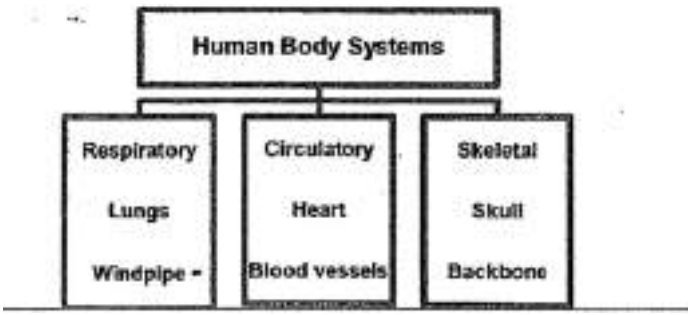
lungs	skull	heart
blood vessels	windpipe	backbone



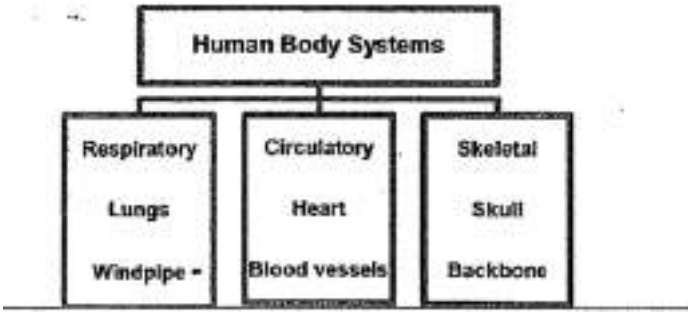
Please put "Done" in the question space below in order to proceed to the next question

Question Type: Essay
Date Added: Wed 23rd Sep 2020
Last Modified: N/A
QID#: 23,837,684

Correctly answered feedback



Incorrectly answered feedback

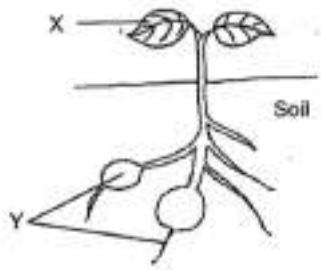


Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 34

Primary 4 Science » Primary 4 Science (Term 2) 0.5 pts

The diagram below shows a green plant.



Name the parts labelled X and Y. [1]

X: _____

Accepted answers:

✔ Leaf

Question Type: *Free Text*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,700*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 35

Primary 4 Science » Primary 4 Science (Term 2) 0.5 pts

Y:_____

Accepted answers:

✔ roots

Question Type: *Free Text*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,704*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 36

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

State one function of the part labelled Y

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,720*

Correctly answered feedback
Roots hold the plant firmly to the soil OR Roots absorb water and mineral salts for the plants

Incorrectly answered feedback

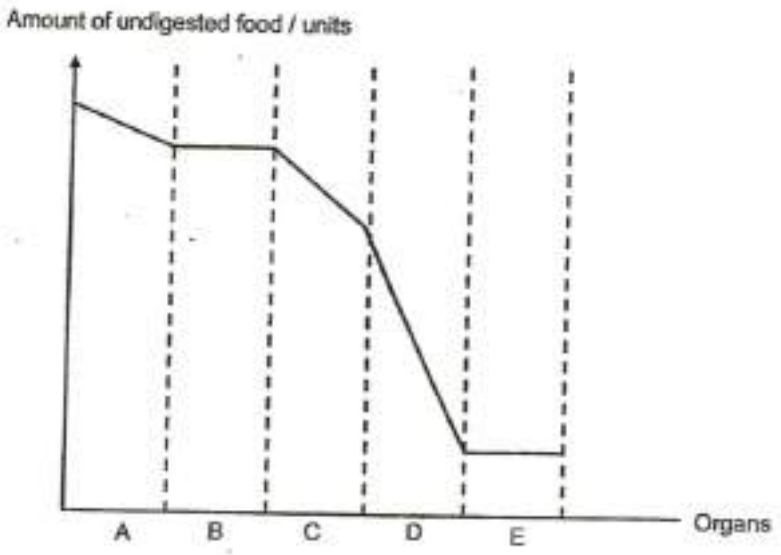
Roots hold the plant firmly to the soil OR Roots absorb water and mineral salts for the plants

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 37

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

The graph below shows the amount of undigested food as it passes through the different organs in the human digestive system.



Based on the graph shown above, which part, A, B, C, D or E, most likely represents the small intestine? Explain why. [2]

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,753*

Correctly answered feedback

Claim: Part D. Evidence: There is a greatest decrease in the amount of undigested food.
Reason: The small intestine has the highest rate of digestion / Most digestion occurs in the small intestine. Thus, part D is likely to be the small intestine.

Incorrectly answered feedback

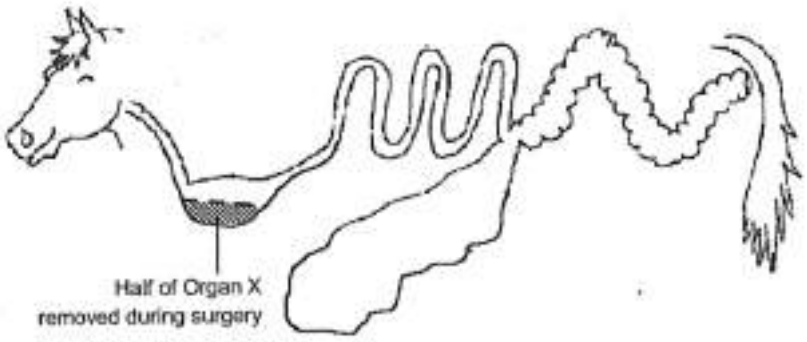
Claim: Part D. Evidence: There is a greatest decrease in the amount of undigested food.
Reason: The small intestine has the highest rate of digestion / Most digestion occurs in the small intestine. Thus, part D is likely to be the small intestine.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 38

Primary 4 Science » Primary 4 Science (Term 2) 1 pt

The diagram below shows an outline of the horse digestive system.
The horse digestive system is similar to the human digestive system.



Half of Organ X was removed during a surgery as shown in the diagram above.

(i) Name Organ X. [1]

Accepted answers:

✔ stomach

Question Type: *Free Text*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *Wed 23rd Sep 2020*
QID#: *23,837,790*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 39

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

Before the removal of half of Organ X, the horse ate a tray of hay daily as shown below.

(ii) How would the eating pattern of the horse change after surgery? [1]

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,804*

Correctly answered feedback

The horse will have to eat smaller portion / half the previous portion / eat less. Or
The horse will have to eat more frequently / more often.

Incorrectly answered feedback

The horse will have to eat smaller portion / half the previous portion / eat less. Or
The horse will have to eat more frequently / more often.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 40

Primary 4 Science » Primary 4 Science (Term 2) 1 pt

The diagram below shows a light bulb.

(i) What is a suitable material used to make part A of the light bulb? [1]

Accepted answers:

✓ clear glass

✓ plastic

Question Type: *Free Text*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,858*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 41

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

What is this material suitable for making part A?

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,869*

Correctly answered feedback

Clear glass/ plastic is transparent and it allows most light to pass through

Incorrectly answered feedback

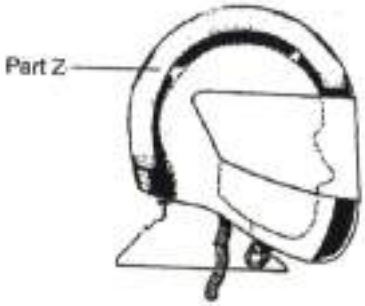
Clear glass/ plastic is transparent and it allows most light to pass through

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 42

Primary 4 Science » Primary 4 Science (Term 2) 1 pt

A motorist is required to wear a helmet while riding the motorcycle.



The table below shows some materials and their properties.

	Material A	Material B	Material C
Strength	√	X	√
Flexible	X	√	√
Waterproof	√	X	X

Which material, A, B or C, is most suitable for making Part Z of the helmet? [1]

✓ **A)** A

B) B

C) C

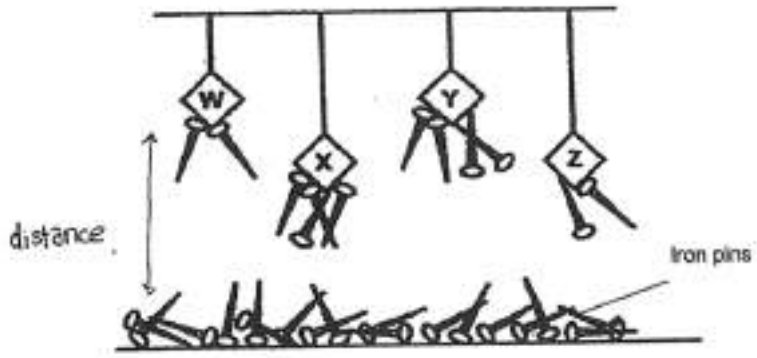
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,837,881*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 43

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

Alex conducted an experiment using 4 different magnets W, X, Y and Z as shown in the diagram below.



He recorded his observations in the table below.

Type of Magnets	Distance between the magnet and the pins (cm)	Number of pins attracted to the magnet
W	5 cm	2
X	3 cm	4
Y	5 cm	4
Z	3 cm	2

Based on the table shown above, which one of the magnets has the strongest pull? Explain your answer. [2]

Question Type: Essay
Date Added: Wed 23rd Sep 2020
Last Modified: N/A
QID#: 23,837,896

Correctly answered feedback

Claim: Magnet Y. Evidence/Reasoning: Magnet W and Magnet Y are both at the same distance away from the pin. Yet, Magnet Y is able to attract more pins than Magnet W. Or Magnet X and Magnet Y both attracted the same number of pins. Yet, Magnet Y is further from the pins than Magnet X.

Incorrectly answered feedback

Claim: Magnet Y. Evidence/Reasoning: Magnet W and Magnet Y are both at the same distance away from the pin. Yet, Magnet Y is able to attract more pins than Magnet W. Or Magnet X and Magnet Y both attracted the same number of pins. Yet, Magnet Y is further from the pins than Magnet X.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 44

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

Alex replaced the pins with matchsticks

What would Alex observe about the number of matchsticks attracted to the 4 magnets?

Question Type: Essay
Date Added: Wed 23rd Sep 2020
Last Modified: N/A

QID#: *23,837,917*

Correctly answered feedback
None/zero of the matchsticks will be attracted to the 4 magnets

Incorrectly answered feedback
None/zero of the matchsticks will be attracted to the 4 magnets

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 45

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

Explain the reason for your answer

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,936*

Correctly answered feedback
Matchsticks are made of non-magnetic material

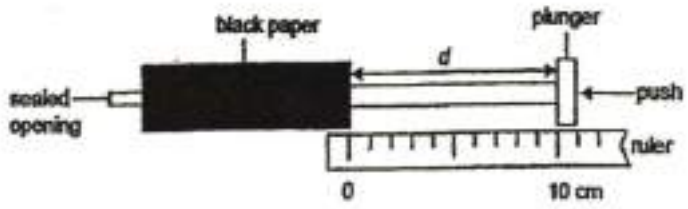
Incorrectly answered feedback
Matchsticks are made of non-magnetic material

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 46

Primary 4 Science » Primary 4 Science (Term 2) 1 pt

Esther covered two similar syringes A and B with black paper.
She filled one syringe with air and the other syringe with water.



Then, she pushed the plunger of both syringes as hard as she could and measured the distance (labelled 'd').
She recorded the measurement in the table below.

	Distance (d) in cm	
	Syringe A	Syringe B
Before pushing the plunger	10 cm	10 cm
After pushing the plunger	10 cm	4 cm

Which of the two syringes, A or B, contained water? [1]

✔ **A)** A

B) B

Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,837,956*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 47

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

Based on the results shown in the table above, explain your answer in part (a).

Question Type:	*Essay*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,837,969*

Correctly answered feedback

Evidence: When the plunger is pushed, the water in Syringe A cannot be compressed, thus the distance ('d') remains the same.
Reason: Water has a definite volume and cannot be compressed.

Incorrectly answered feedback

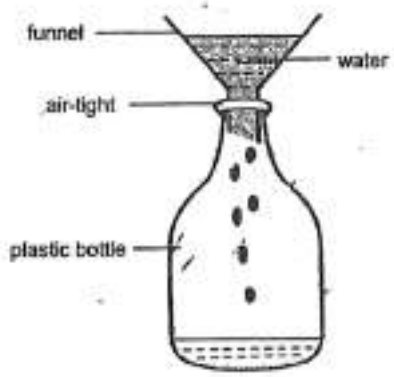
Evidence: When the plunger is pushed, the water in Syringe A cannot be compressed, thus the distance ('d') remains the same.
Reason: Water has a definite volume and cannot be compressed.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 48

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

Study the set-up shown in the diagram below.



When water was poured into the funnel, it dripped slowly into the plastic bottle. Give a reason. [1]

Question Type:	*Essay*

Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,986*

Correctly answered feedback

Air is occupying the space(volume) inside the plastic bottle and cannot escape.

Incorrectly answered feedback

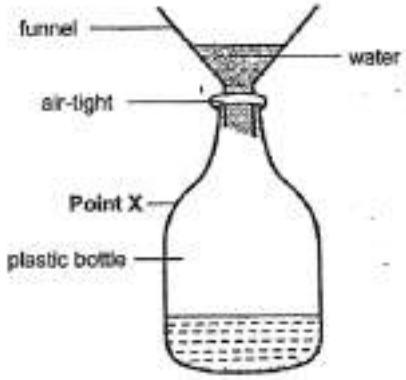
Air is occupying the space(volume) inside the plastic bottle and cannot escape.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 49

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

A hole is made at point X and it was observed that the water from the funnel dripped down into the plastic bottle faster.



Explain the above observation. [2]

State another way to make the water drip down faster. [1]

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,837,998*

Correctly answered feedback

The hole allows air inside the bottle to escape. This will allow water from the funnel to flow down easily to occupy the space that was originally occupied by the air that had escaped.
Lift the funnel slightly/Loosen the funnel/Make another hole/Make the hole at X bigger

Incorrectly answered feedback

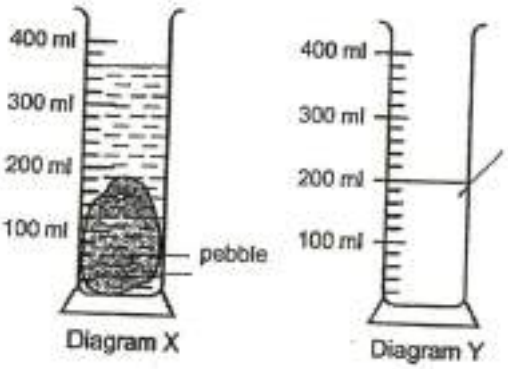
The hole allows air inside the bottle to escape. This will allow water from the funnel to flow down easily to occupy the space that was originally occupied by the air that had escaped.
Lift the funnel slightly/Loosen the funnel/Make another hole/Make the hole at X bigger

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 50

Primary 4 Science » Primary 4 Science (Term 2) 1 pt

Pauline dropped a pebble into a measuring cylinder containing 200 ml of water.



What is the total volume of water and the pebble? [1]

Accepted answers:

- ✓ 360ml
- ✓ 360
- ✓ 360 ml

Question Type: *Free Text*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,838,035*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 51

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

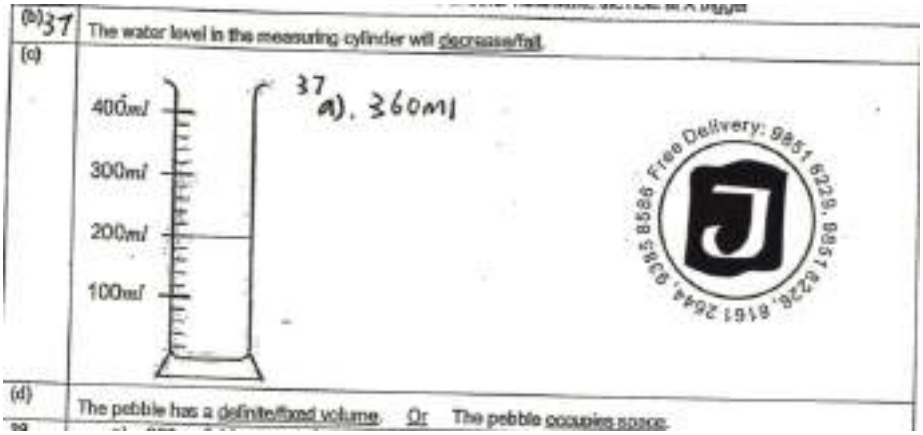
Write one observation of the water level when the pebble is removed from the measuring cylinder. [1]

On Diagram Y above, **draw** the water level after the pebble is removed. [1]

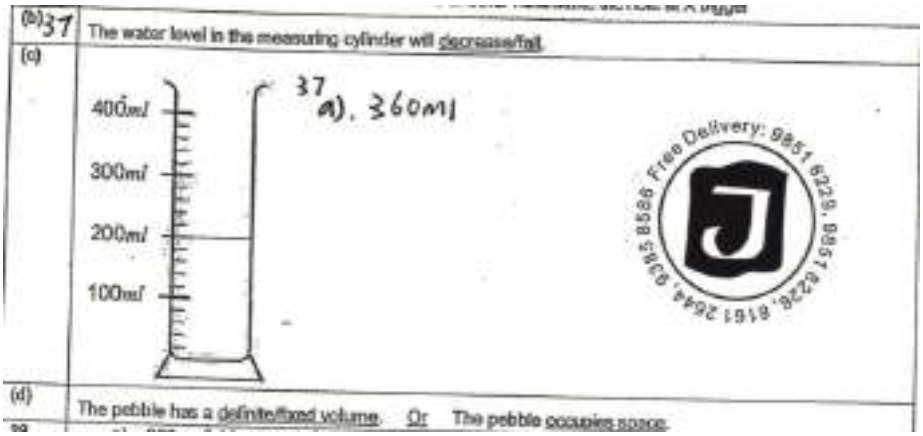
State one property of the pebble which allows its volume to be measured using the above method. [1]

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,838,052*

Correctly answered feedback



Incorrectly answered feedback

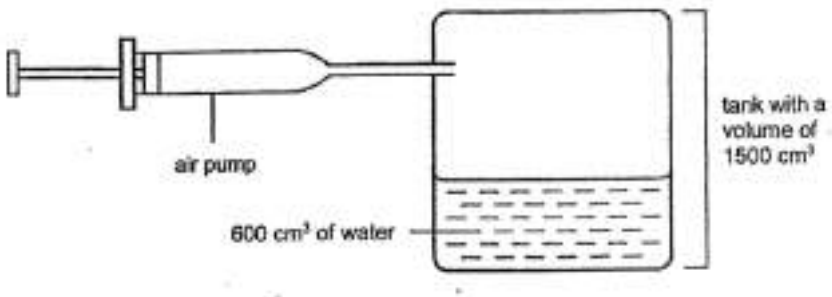


Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 52

Primary 4 Science » Primary 4 Science (Term 2) 1 pt

An air pump was attached to a tank with a volume of 1500 cm^3.



The tank was then filled with 600 cm^3 of water, as shown in the diagram above. What is the volume of air in the tank? [1]

Accepted answers:

- ✓ 900cm3
- ✓ 900 cm3
- ✓ 900

Question Type: *Free Text*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,838,093*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 53

Primary 4 Science » Primary 4 Science (Term 2) 1 pt

Each time the air pump is applied, it forces 100cm3 of air into the tank. If the air pump was applied twice what is the volume of air in the tank?

Accepted answers:

- ✓ 900
- ✓ 900Cm3
- ✓ 900 Cm3

Question Type: *Free Text*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,838,104*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 54

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

Explain your answer in part B) above

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,838,114*

Correctly answered feedback
Air in the tank can be compressed as it has no definite volume

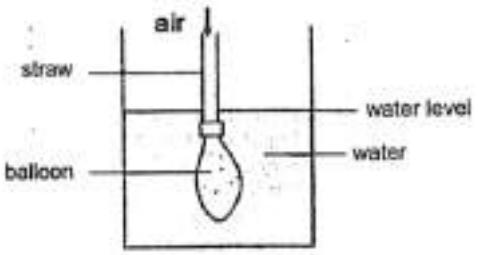
Incorrectly answered feedback
Air in the tank can be compressed as it has no definite volume

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 55

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

Eric tied a balloon over one end of a straw and submerged it in a beaker of water as shown in the diagram below. He then blew air through the straw.



Write one observation of the water level when air was blown through the straw. Explain your observation. [2]

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,838,125*

Correctly answered feedback

d) The water level will rise. Air that is blown into the balloon will take up space / has volume, pushing/displacing the water, causing the water level to rise.

Incorrectly answered feedback

d) The water level will rise. Air that is blown into the balloon will take up space / has volume, pushing/displacing the water, causing the water level to rise.

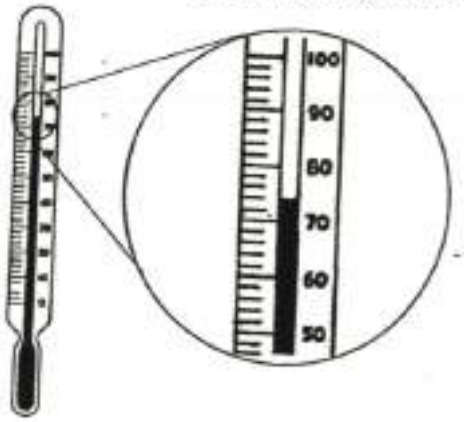
Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 56

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

Hafiz walks into a laboratory and sees a beaker of water sitting on the table at room temperature of 25 °C.
He wants to find out the temperature of the water in the beaker.

He used the laboratory instrument to measure the temperature of the water in the beaker. The reading of the laboratory instrument is shown in the diagram below.



The name of this laboratory instrument is the _____
and the reading of the laboratory instrument shown in the diagram above is _____ °C .

[2]

____,
_____

Accepted answers:

- ✓ Thermometer, 74
- ✓ Thermometer , 74
- ✓ Thermometer 74
- ✓ thermometer,74

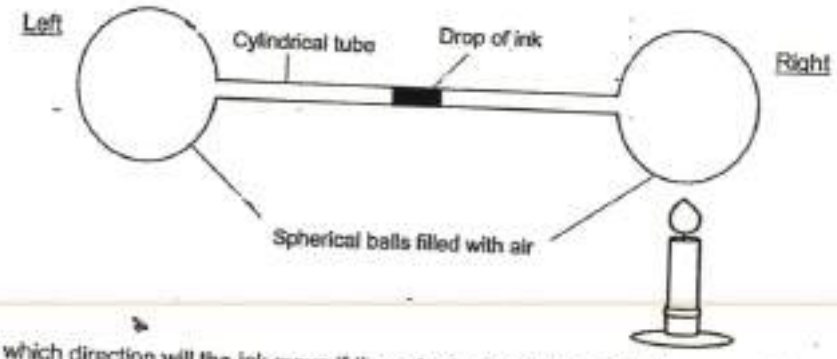
Question Type:	*Free Text*
Date Added:	*Wed 23rd Sep 2020*
Last Modified:	*N/A*
QID#:	*23,838,146*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 57

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

The diagram below shows two spherical balls connected by a cylindrical tube that contains a drop of ink.



In which direction will the ink move if the spherical ball on the right is heated? Explain your answer. [2]

Question Type: Essay
Date Added: Wed 23rd Sep 2020
Last Modified: N/A
QID#: 23,838,157

Correctly answered feedback

The drop of ink will move to the left. The air in the right ball gains heat from the fire and expands, pushing the drop of ink towards the left.

Incorrectly answered feedback

The drop of ink will move to the left. The air in the right ball gains heat from the fire and expands, pushing the drop of ink towards the left.

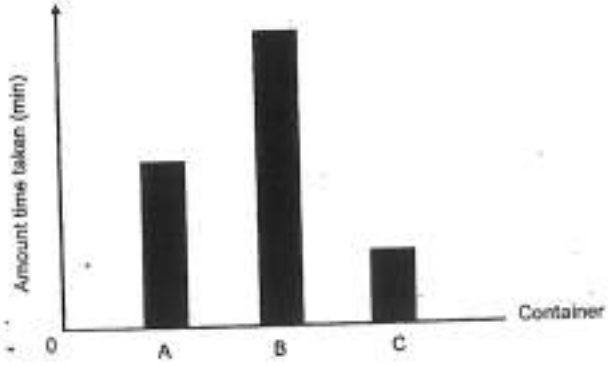
Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 58

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

1 Ting Xuan set up an experiment as shown below.

She placed 3 similar ice blocks in 3 containers of the same volume made of different materials, A, B and C. The graph below shows the time taken for each ice block to melt completely.



(a) Which variable did Ting Xuan change in this experiment? [1]

(b) If you are going to the beach on a hot day, which container would you choose to keep your drink cold? Explain your answer. [2]

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,838,171*

Correctly answered feedback

40 (a)	Material of container
(b)	Claim: Container B. Evidence: Ice in container B took the longest time to melt. This suggests that the material of container B is the poorest conductor of heat. Reason: Heat is lost the slowest/most slowly to the surroundings (air). Hence, it is the most suitable material to keep my drink cold.

Incorrectly answered feedback

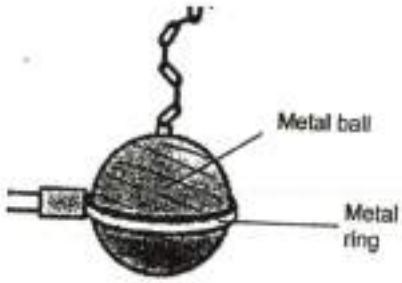
40 (a)	Material of container
(b)	Claim: Container B. Evidence: Ice in container B took the longest time to melt. This suggests that the material of container B is the poorest conductor of heat. Reason: Heat is lost the slowest/most slowly to the surroundings (air). Hence, it is the most suitable material to keep my drink cold.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 59

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

During a ball-and-ring experiment in the Science laboratory, Susan's metal ball could not pass through the metal ring.



(i) What should Susan do so that the metal ball can pass through the metal ring? [1]

(ii) Explain your answer to (a)(i). [1]

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,838,197*

Correctly answered feedback

(a)(i)	Heat the metal ring by heating it strongly over a Bunsen burner Or Cool the metal ball by putting the ball in iced water
(a) (ii)	If (a)(i) is on heating the metal ring:
	The metal ring gains heat from the fire and expands, allowing the metal ball to pass through the metal ring.
	If (a)(i) is on cooling the metal ball:
	The metal ball loses heat to the iced water and contracts, allowing it to pass through the metal ring.
(b)	

Incorrectly answered feedback

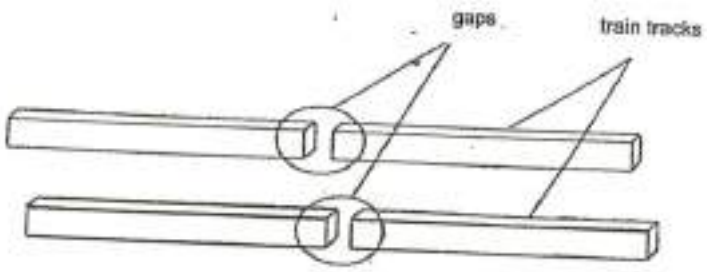
(a)(i)	Heat the metal ring by heating it strongly over a Bunsen burner Or Cool the metal ball by putting the ball in iced water
(a) (ii)	If (a)(i) is on heating the metal ring:
	The metal ring gains heat from the fire and expands, allowing the metal ball to pass through the metal ring.
	If (a)(i) is on cooling the metal ball:
	The metal ball loses heat to the iced water and contracts, allowing it to pass through the metal ring.
(b)	

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 60

Primary 4 Science » Primary 4 Science (Term 2) 0 pts

(b) Farzanah was walking along the train track when she noticed that there are gaps between the train tracks as shown in the diagram below.



Explain why are there gaps between the train tracks. [1]

Question Type: *Essay*
Date Added: *Wed 23rd Sep 2020*
Last Modified: *N/A*
QID#: *23,838,218*

Correctly answered feedback

(b) During a hot day, the metal rails will gain heat from the sun and expand. The gaps prevent the train tracks from buckling.

Incorrectly answered feedback

(b) During a hot day, the metal rails will gain heat from the sun and expand. The gaps prevent the train tracks from buckling.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test