

Test: Primary 4 Science (Term 4) - SCGS 2020

Points: 81 points

Name: _____

Score: _____

Date: _____

Signature: _____

Select multiple choice answers with a cross or tick:

- Only select one answer
- Can select multiple answers

Question 1 of 62

Primary 4 Science (Term 4) 2 pts

For each question, four options are given. One of them is the correct answer. (56 marks)

A tortoise hides itself in its shell when touched.



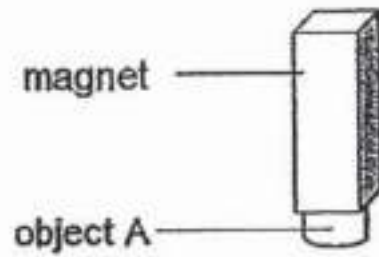
This shows that the tortoise is a living thing because it can _____.

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

Question 2 of 62

Primary 4 Science (Term 4) 2 pts

Object A was attracted to a magnet as shown in the figure below.



Object A is made of _____.

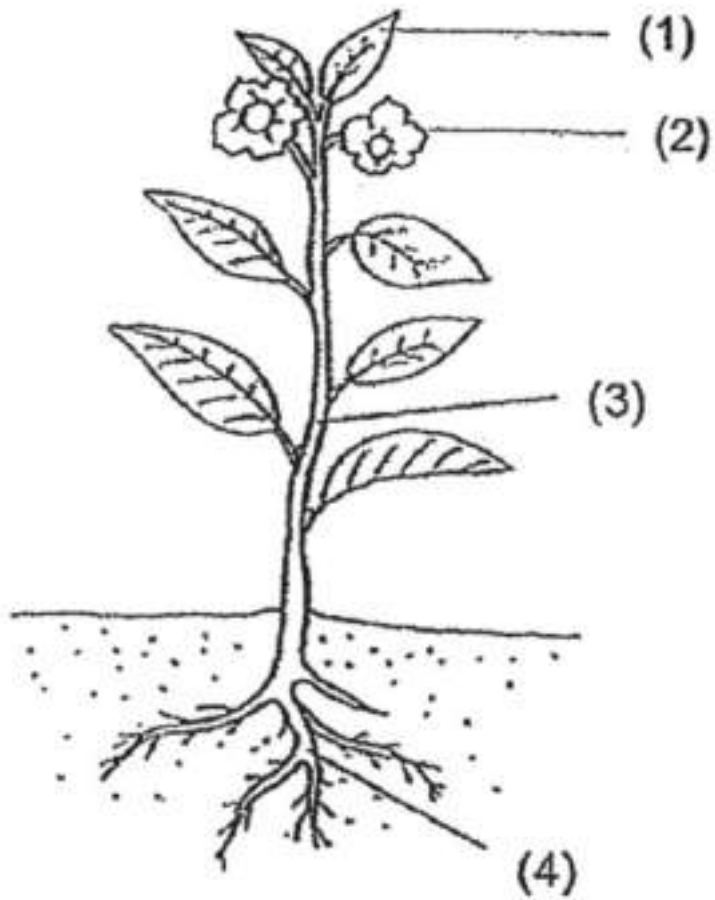
- A) plastic
- B) wood
- C) steel
- D) rubber

Question 3 of 62

Primary 4 Science (Term 4)

2 pts

Which part, (1), (2), (3) or (4), makes food for the plant?



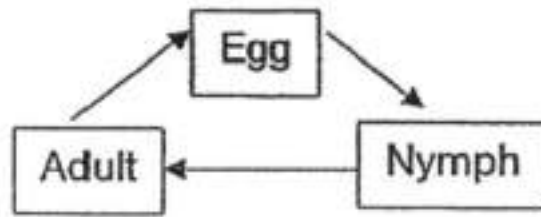
-
- A) 1
- B) 2
- C) 3
- D) 4

Question 4 of 62

Primary 4 Science (Term 4)

2 pts

The diagram below shows the life cycle of an animal.



Which animal is likely to have the life cycle as shown above?

-
- A) Beetle
 - B) Butterfly
 - C) Chicken
 - D) Cockroach

Question 5 of 62

Primary 4 Science (Term 4)

2 pts

Which of the following is a source of light?

A)



The Moon

B)



A Candle Flame

C)



A Mirror

D)



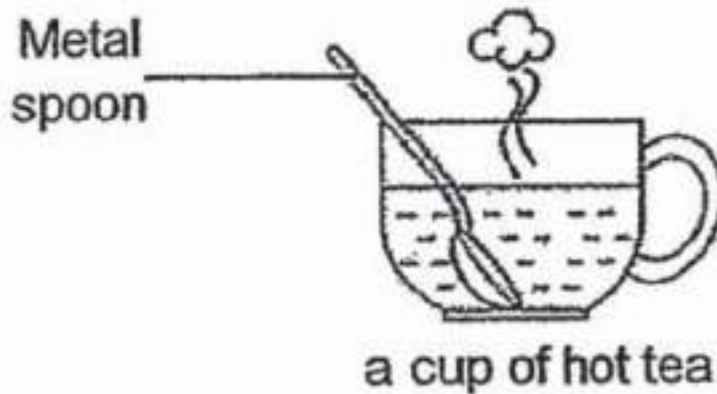
A Leaf

Question 6 of 62

Primary 4 Science (Term 4)

2 pts

Ronald places a metal spoon in a cup of hot tea.



The spoon becomes hotter after a while.

Which one of the following explains this?

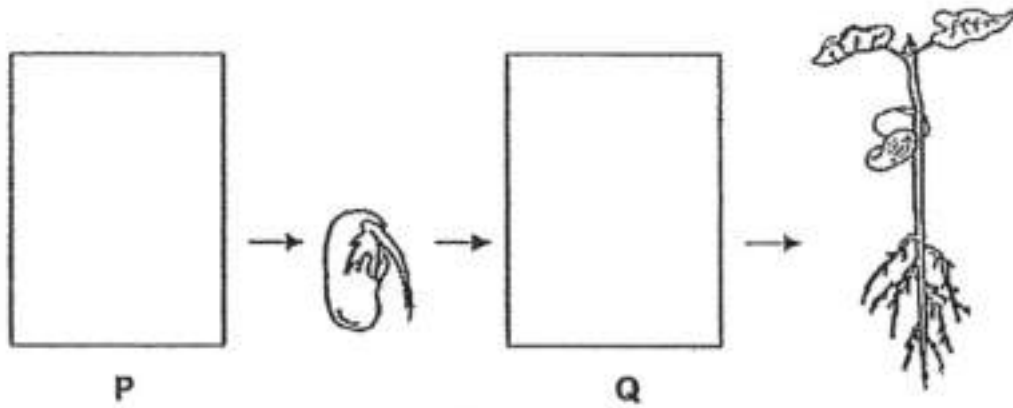
-
- A) The cup loses heat to the hot tea.
 - B) The hot tea gains heat from the spoon.
 - C) The spoon gains heat from the hot tea.
 - D) The spoon loses heat to the hot tea.

Question 7 of 62

Primary 4 Science (Term 4)



2 pts

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

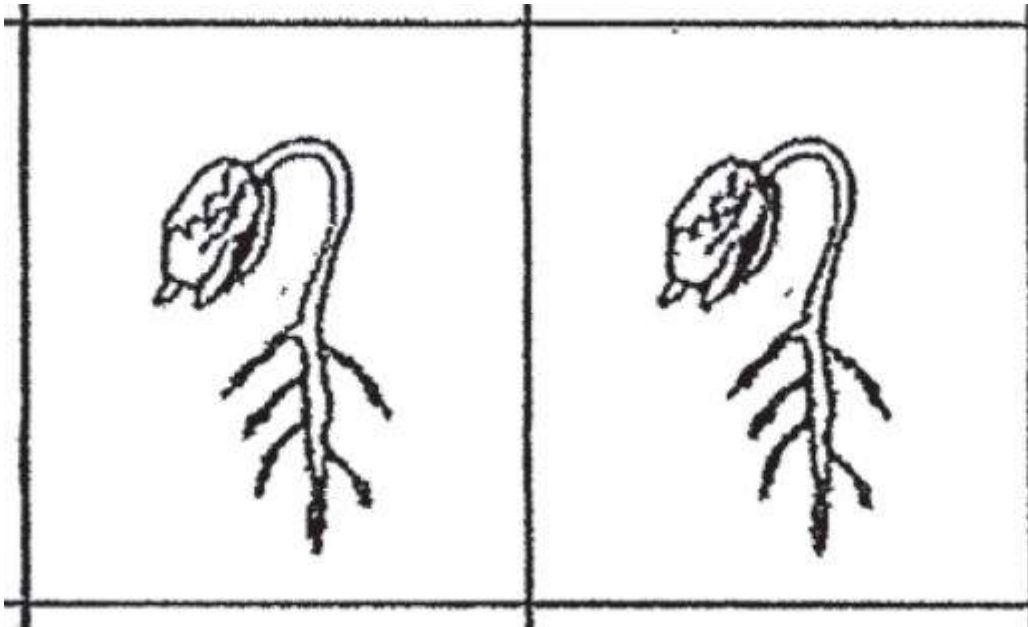


Which one of the following shows the correct stages for P and Q?

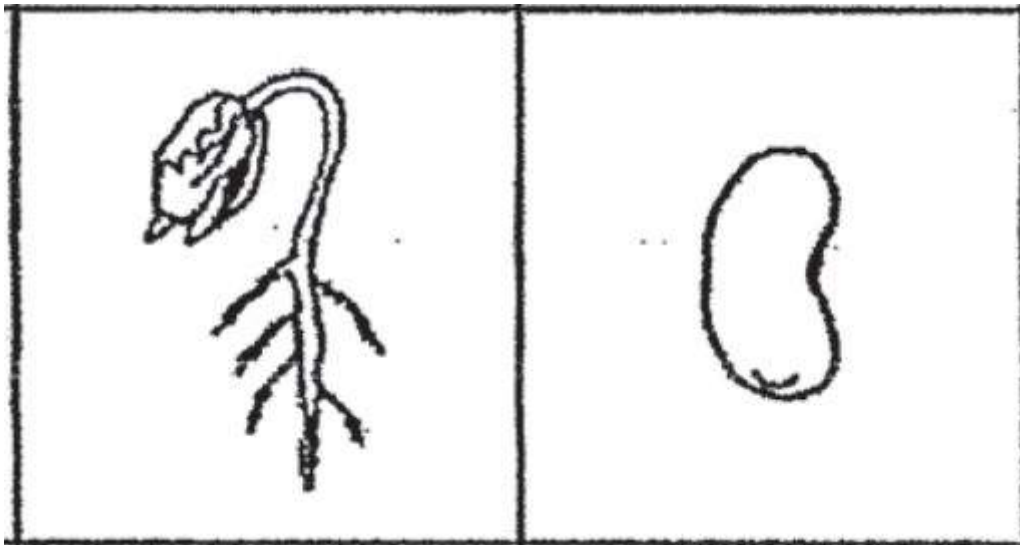
 A)

| P | Q |
|---|--|
|  |  |

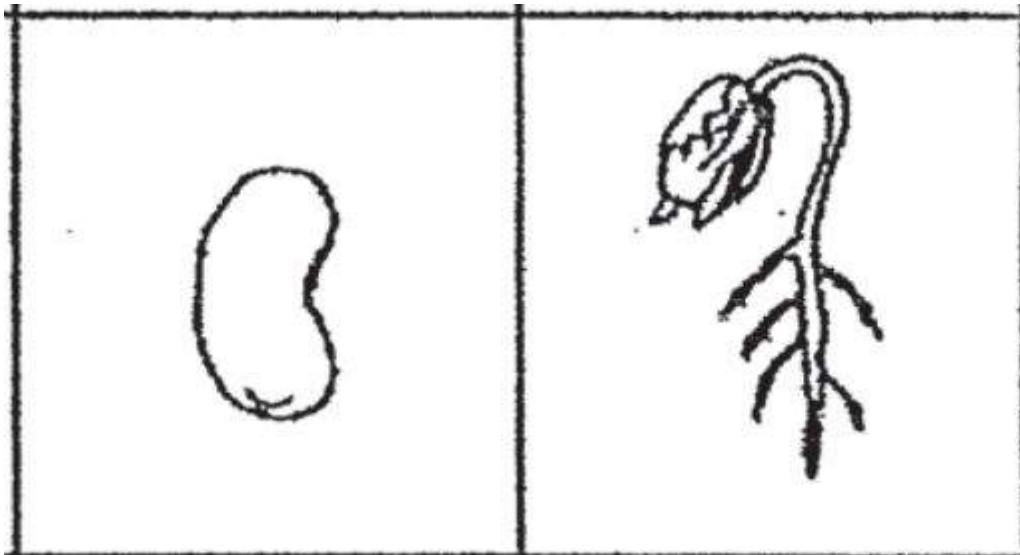
 B)



C)



D)

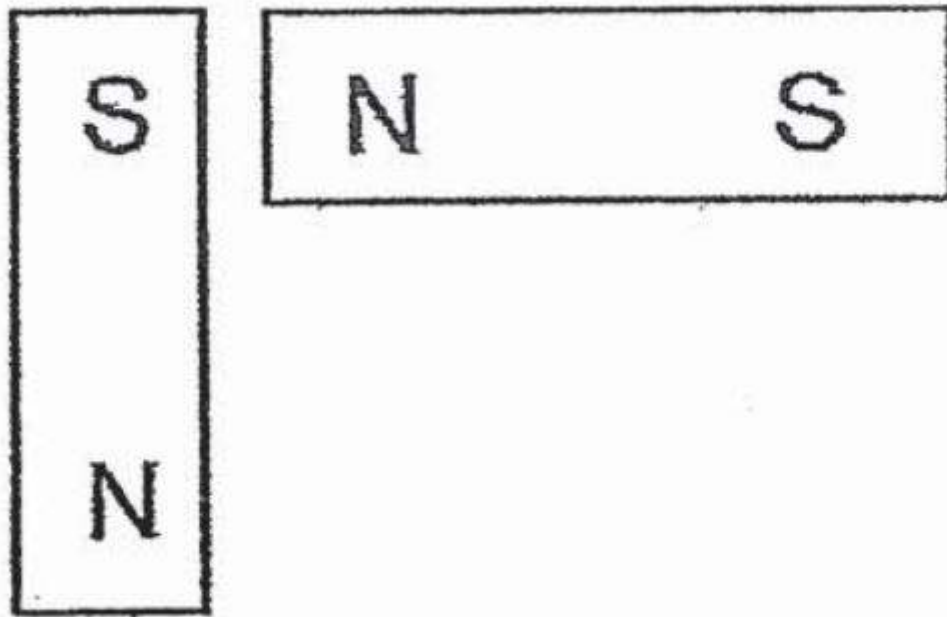
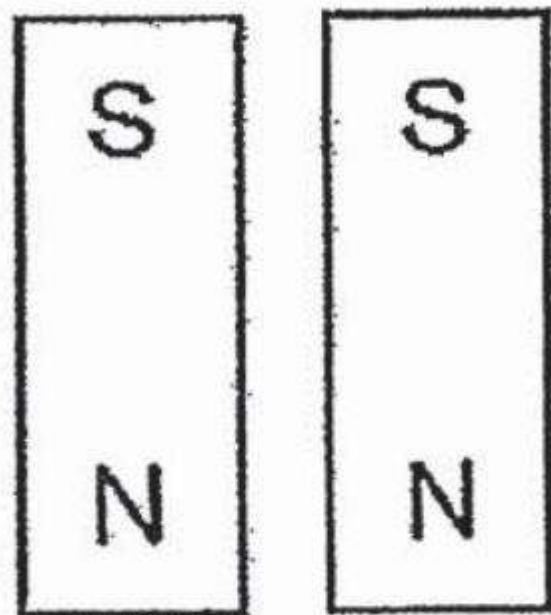


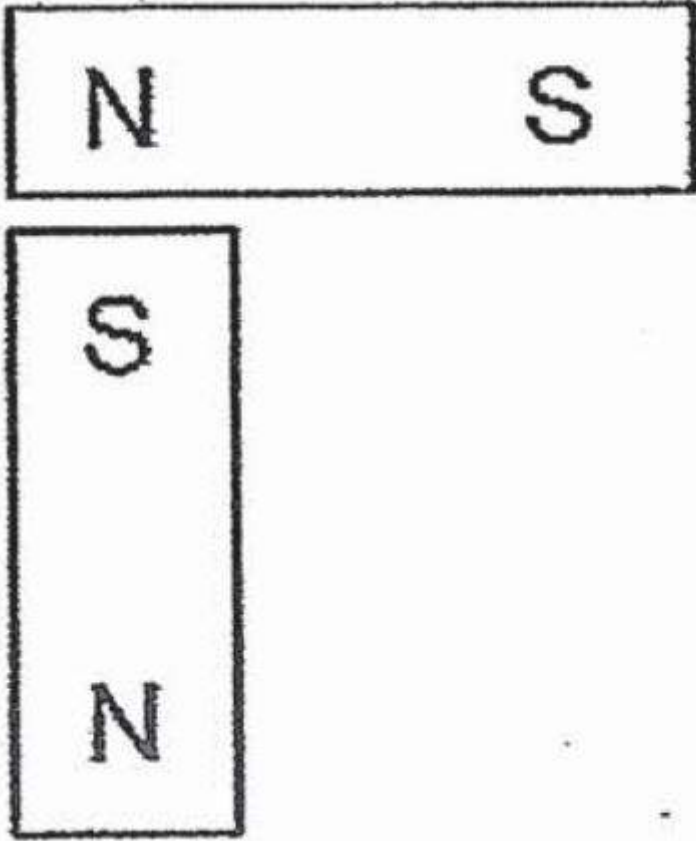
Question 8 of 62

Primary 4 Science (Term 4)

2 pts

In which one of the following will the two magnets push each other away?

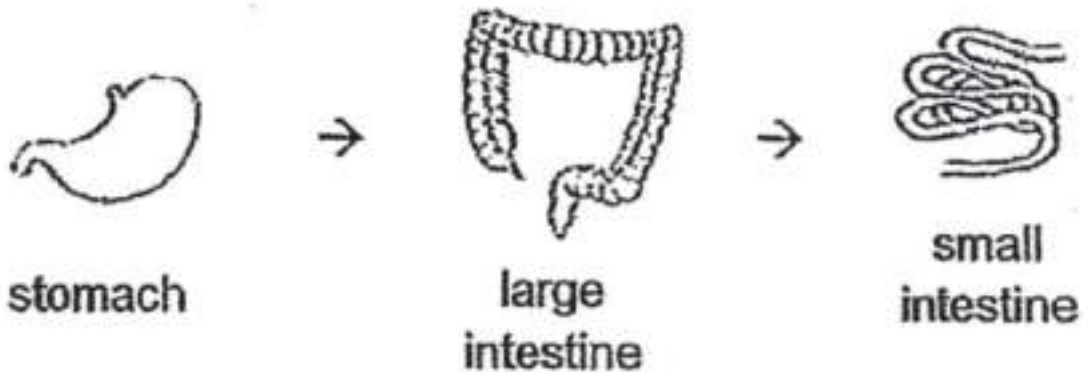
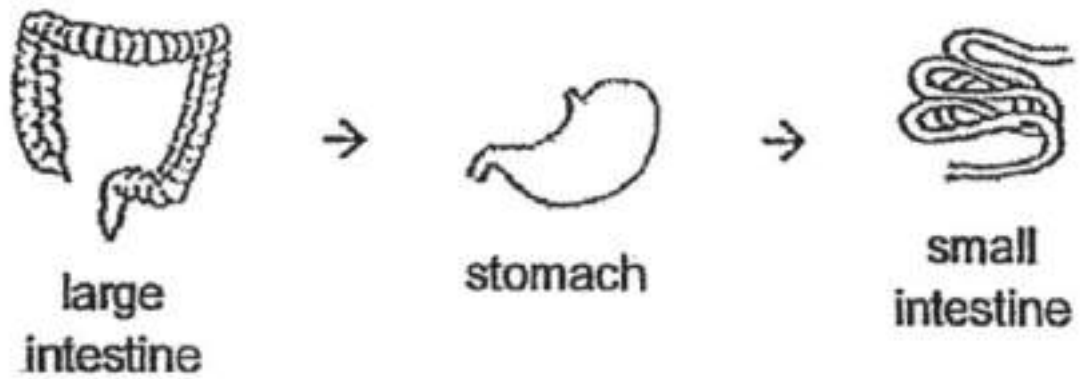
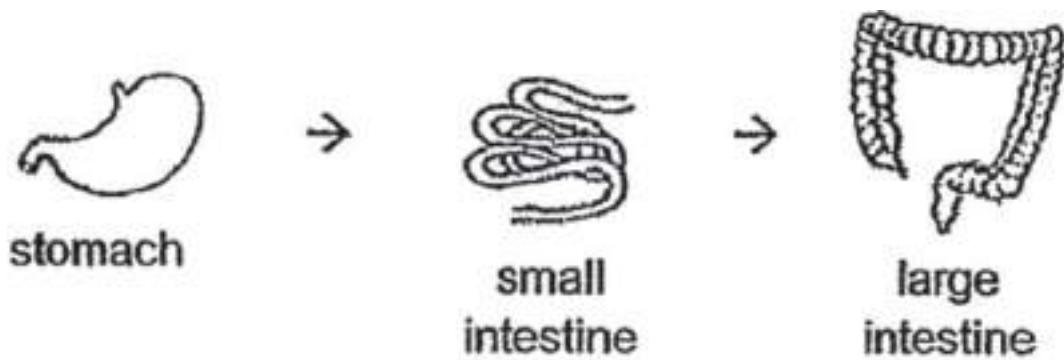
 A) B) C) D)

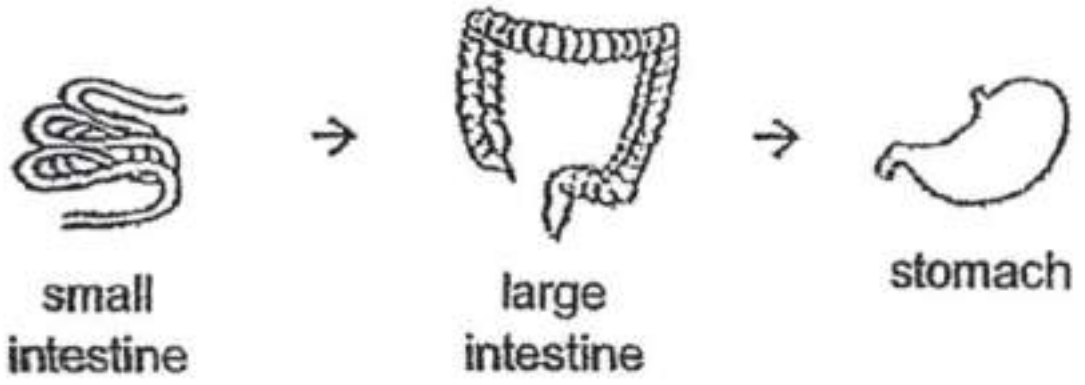


Question 9 of 62

Primary 4 Science (Term 4) 2 pts

Which one of the following shows the correct order when food moves through some parts of the digestive system?

 A) B) C) D)

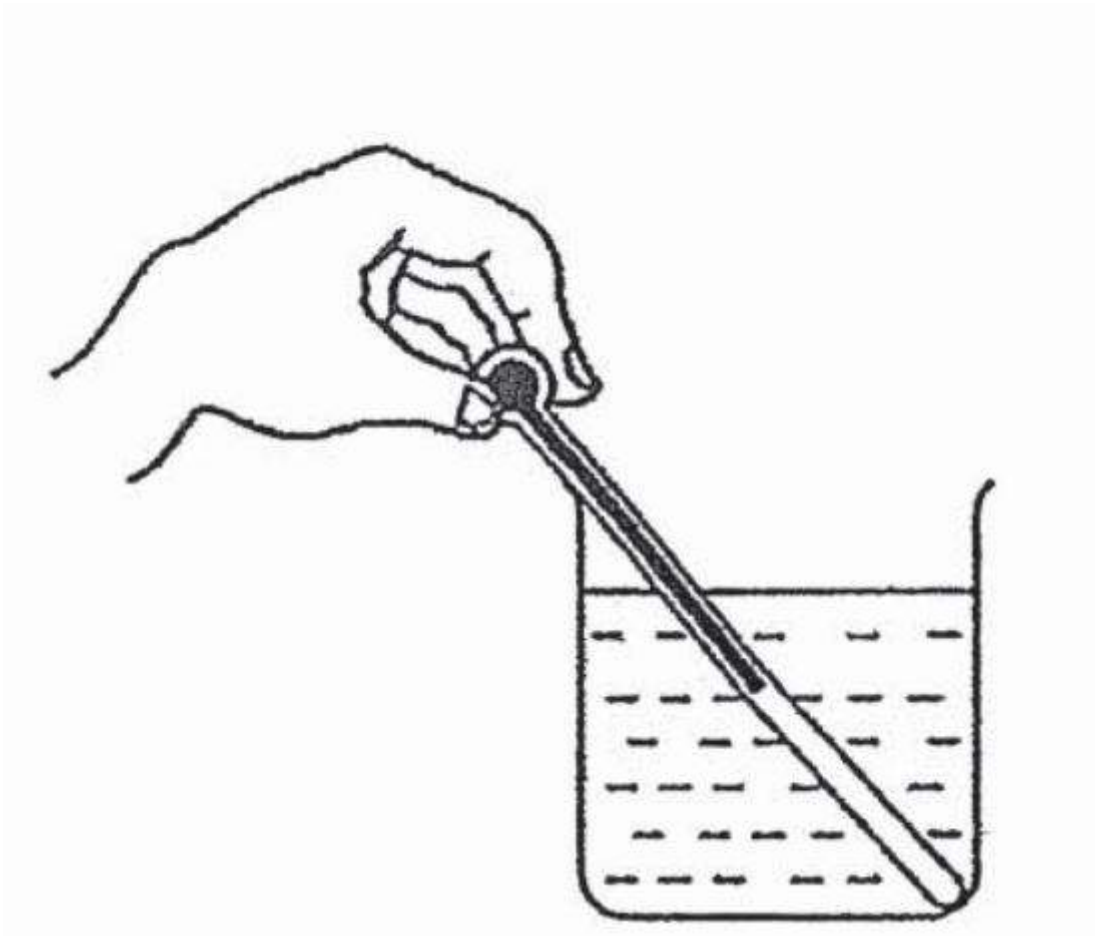


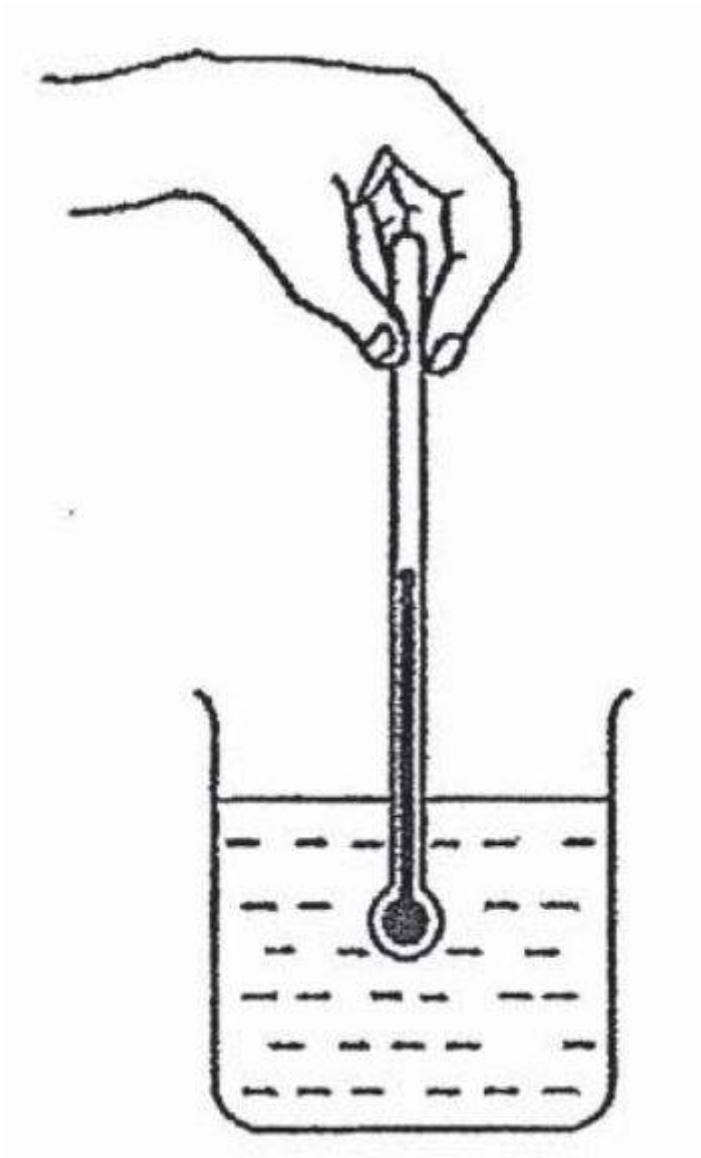
Question 10 of 62

Primary 4 Science (Term 4)

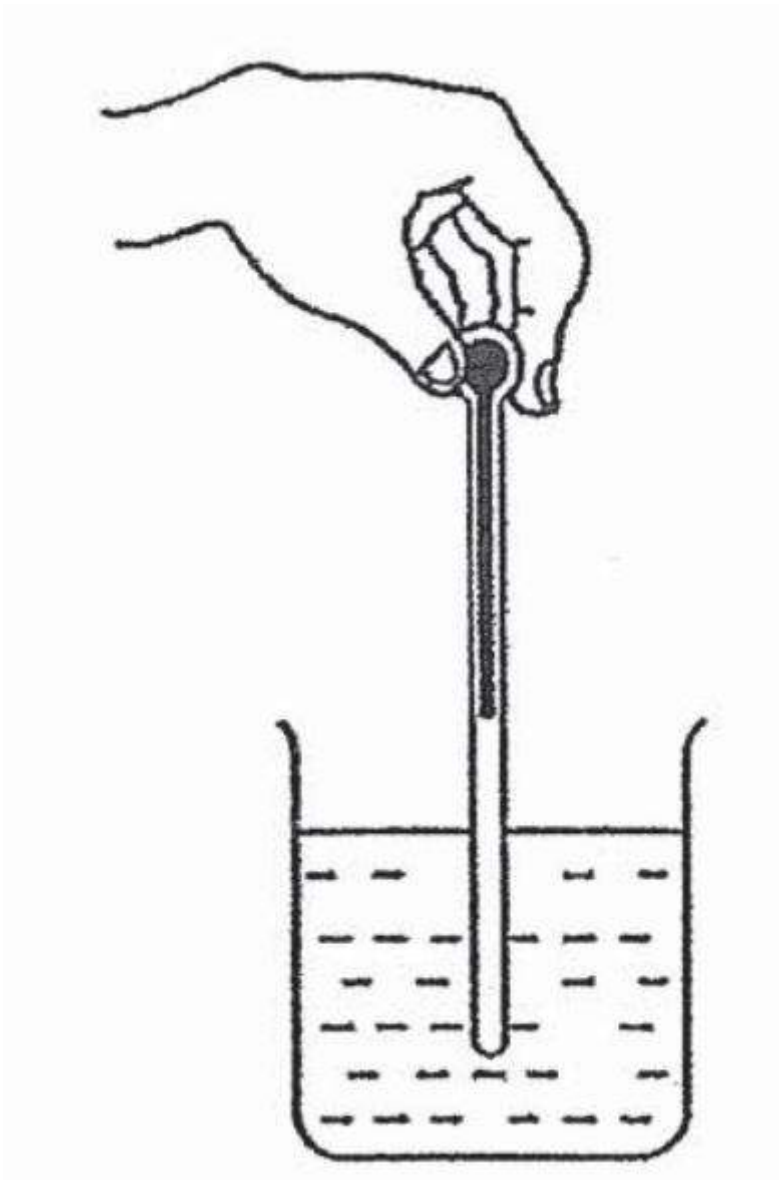
2 pts

Catherine wants to measure the temperature of hot water in a beaker. Which one of the following diagrams shows the correct position of the thermometer when taking the temperature reading?

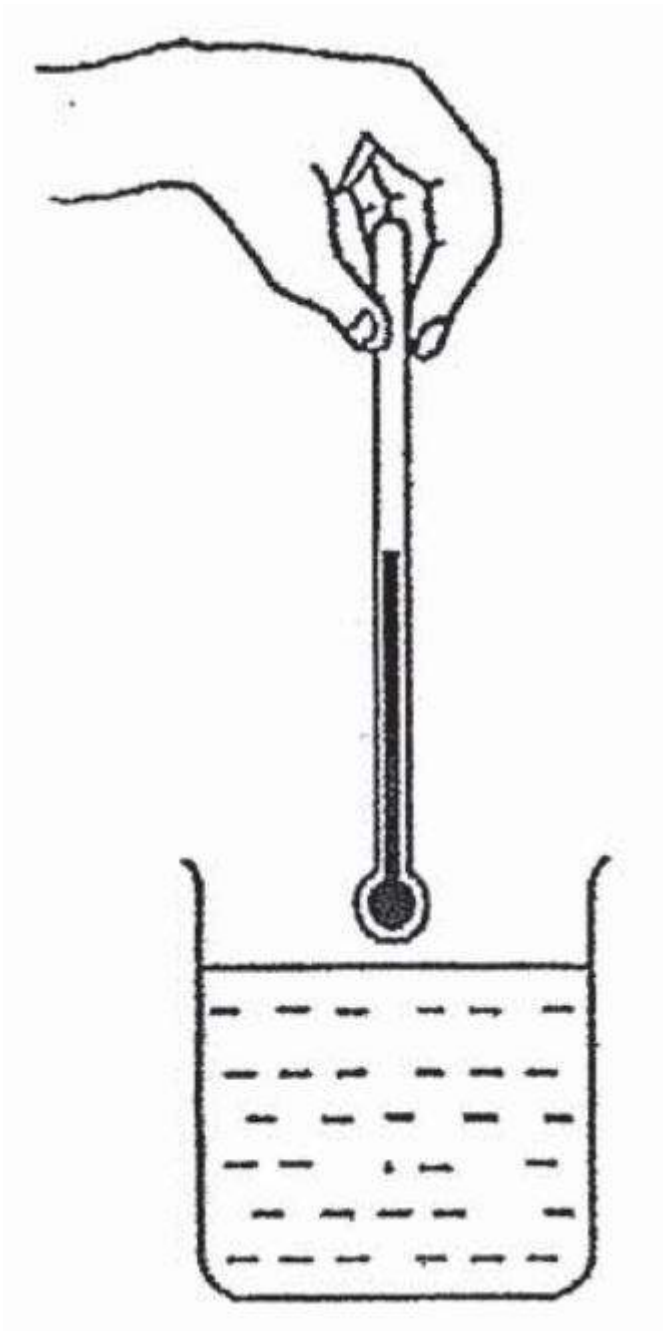
 A) B)



C)



D)

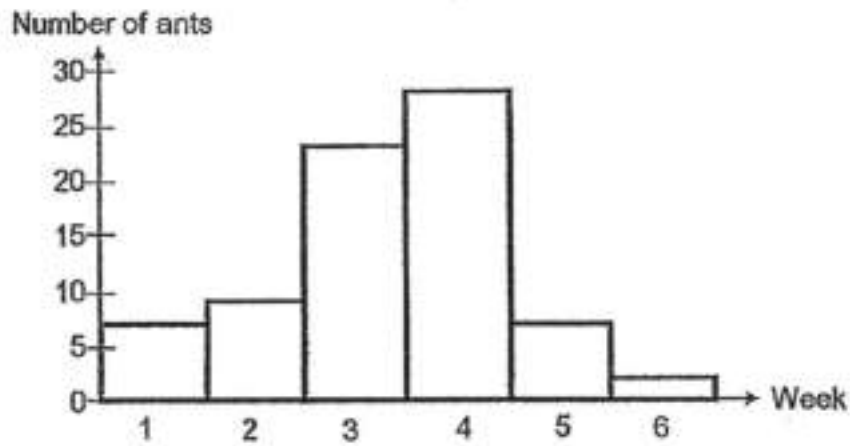


Question 11 of 62

Primary 4 Science (Term 4)

2 pts

Janelle recorded the number of ants in an enclosed container over a period of time as shown below. The enclosed container has enough air, food and water for the ants.



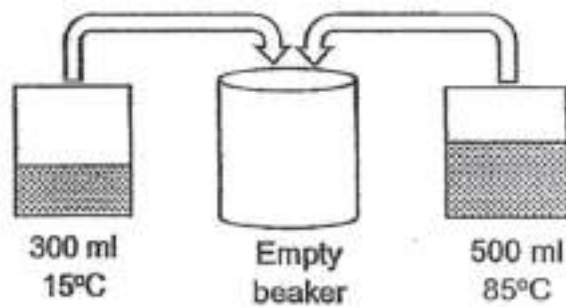
Which characteristic of living things does the graph show from Week 4 to 6?

- A) Living things can die.
- B) Living things can grow.
- C) Living things can reproduce.
- D) Living things can respond to changes around them.

Question 12 of 62

Primary 4 Science (Term 4) 2 pts

Paul poured 2 cups of water at 15°C and 85°C respectively into an empty beaker as shown below.



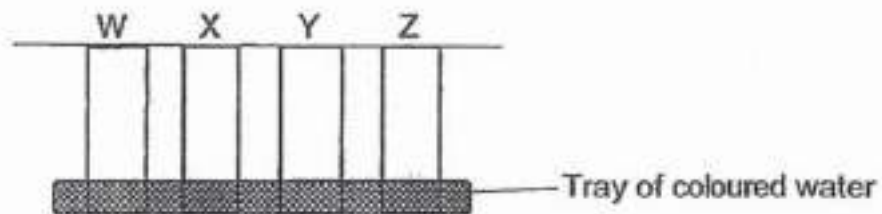
What is the temperature of water in the beaker likely to be?

- A) 10°C
- B) 15°C
- C) 60°C
- D) 100°C

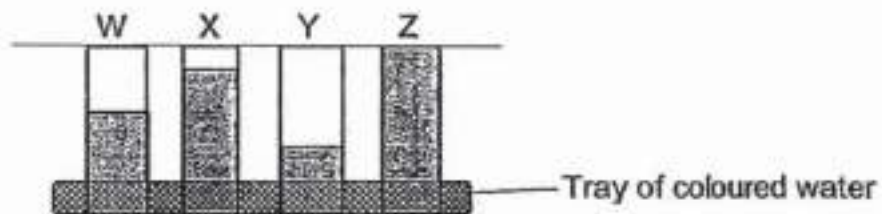
Question 13 of 62

Primary 4 Science (Term 4) 2 pts

Elvin placed Materials W, X, Y and Z in a tray of coloured water as shown below.



He observed the amount of water each material can absorb after 3 minutes as shown below.



What can Elvin conclude about his experiment?

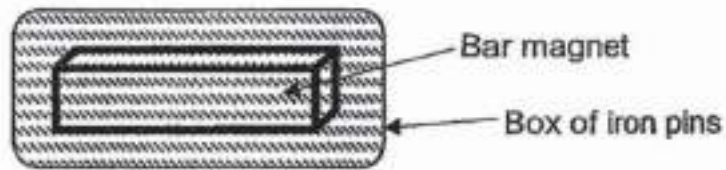
- A) Material Y is the most absorbent.
- B) Material W absorbs more water than Material Z.
- C) Material Z is the least absorbent.
- D) None of the materials is waterproof.

Question 14 of 62

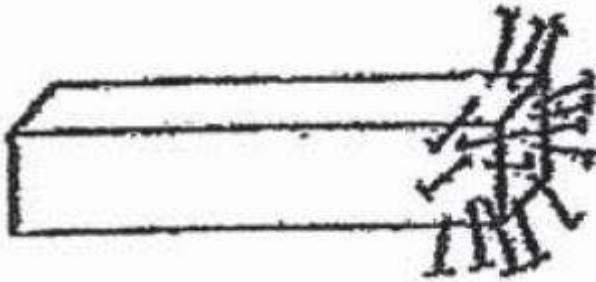
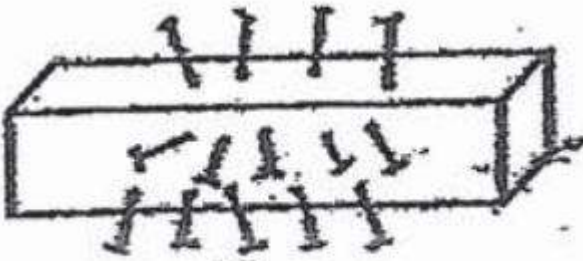
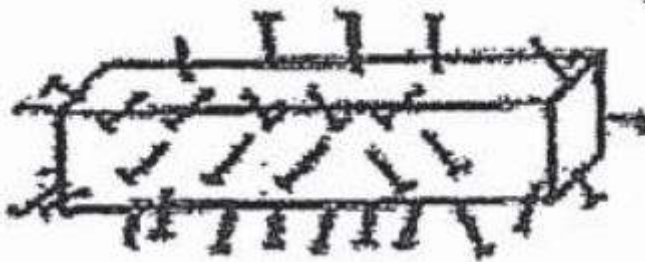
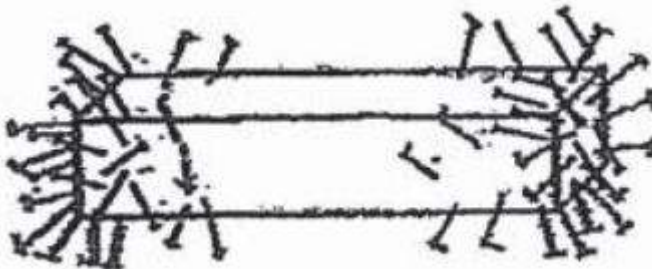
Primary 4 Science (Term 4)

2 pts

A bar magnet is placed into a box of iron pins for 2 minutes as shown below.



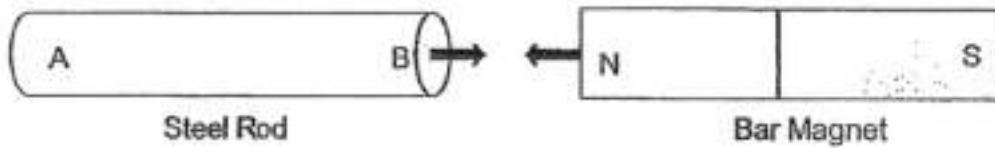
Which one of the following diagram shows how the bar magnet would most likely look like when it removed from the box of iron pins?

 A)

 B)

 C)

 D)


Question 15 of 62

Primary 4 Science (Term 4) 2 pts

Eunice was given a steel rod and a bar magnet. She brought the End B of the steel rod to the north pole of the bar magnet and observed that both objects move towards each other as shown below.



She concluded that the steel rod is also a magnet.

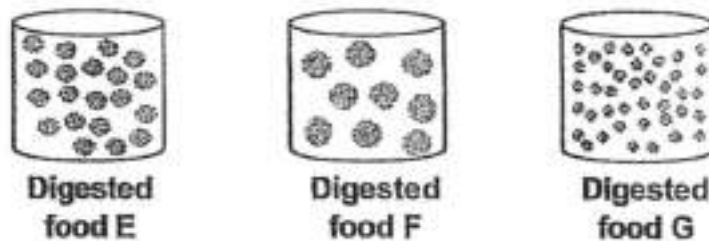
Which one of the following explains why Eunice's conclusion may be wrong?

- A) She did not find out if the steel rod is able to attract any plastic clips.
- B) She did not test End A of steel rod with south pole of the bar magnet.
- C) She did not test End B of steel rod with south pole of the bar magnet.
- D) She did not find out if the steel rod is able to repel any steel paper clips.

Question 16 of 62

Primary 4 Science (Term 4) 2 pts

Jasmine drew the sizes of digested food, E, F and G at various stages of the human digestive system as shown below.



Which one of the following correctly represents the sizes of the digested food as it passed through the different parts of the digestive system?

- A)

| Mouth | Stomach | Small Intestine |
|-------|---------|-----------------|
| E | F | G |
- B)

| Mouth | Stomach | Small Intestine |
|-------|---------|-----------------|
| F | E | G |
- C)

| Mouth | Stomach | Small Intestine |
|-------|---------|-----------------|
| F | G | E |
- D)

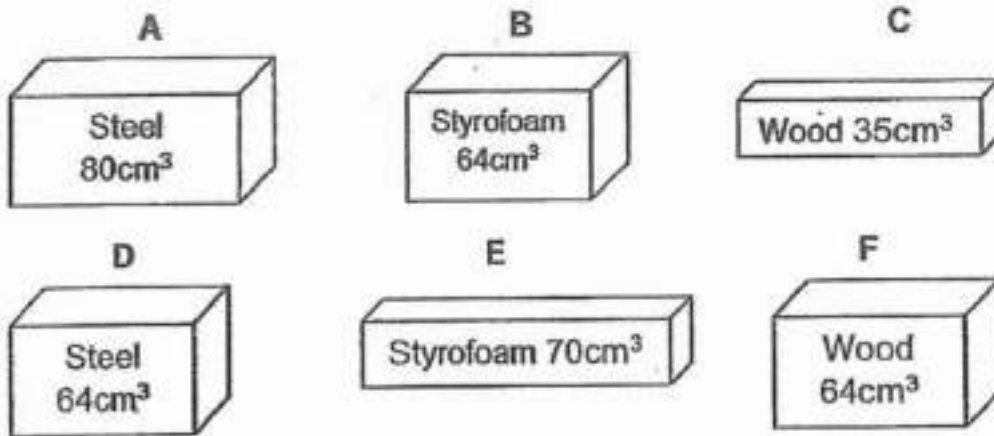
| Mouth | Stomach | Small Intestine |
|-------|---------|-----------------|
| G | E | F |

Question 17 of 62

Primary 4 Science (Term 4)

2 pts

Ally has 6 objects as shown below.



Which one of the following objects should Ally choose if she wants to find out if different materials with the same volume have the same mass?

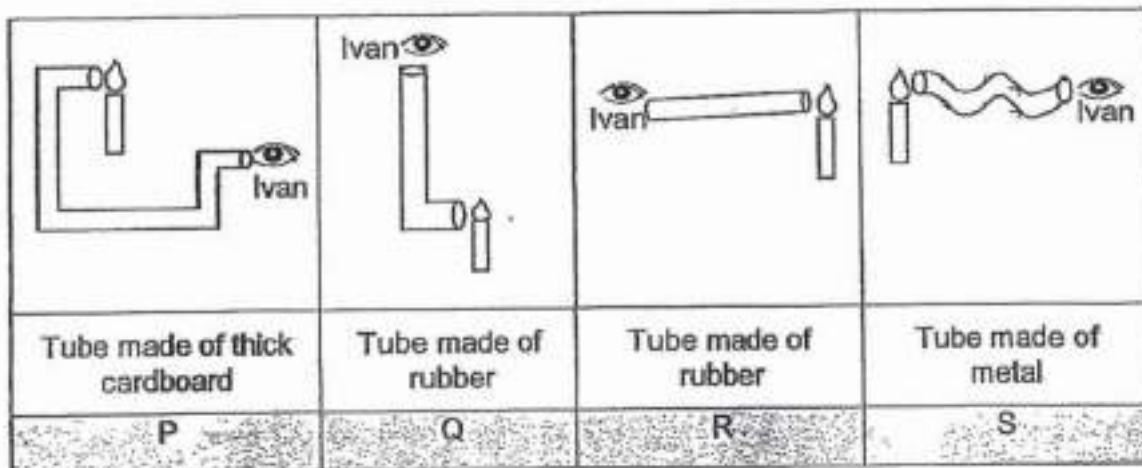
- A) C and E only
 B) A and D only
 C) A, B and D only
 D) B, D and F only

Question 18 of 62

Primary 4 Science (Term 4)

2 pts

Study set-ups P, Q, R and S as shown below.



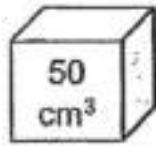
Which set-up below allows Ivan to see the flame at the end of the tube?

- A) P
 B) Q
 C) R
 D) S

Question 19 of 62

Primary 4 Science (Term 4) 2 pts

Gopal has a container with a maximum capacity of 50cm^3 as shown below.



He was given the following things:

- A: 55cm^3 of orange juice
- B: 60cm^3 of marbles
- C: 100cm^3 of air
- D: 42cm^3 of flour

Which of the above things can fit into the above enclosed container one at a time?

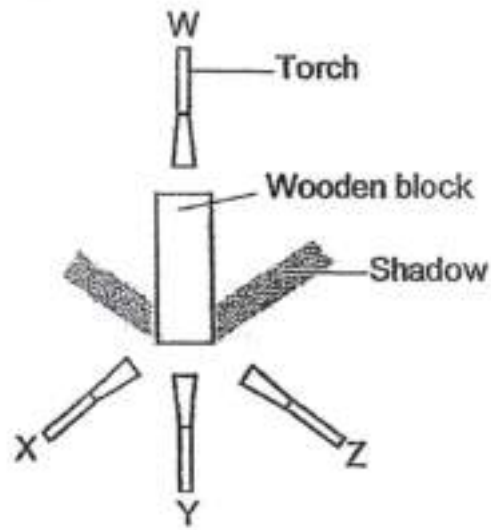
-
- A) C only
 - B) A and B only
 - C) B and C only
 - D) C and D only

Question 20 of 62

Primary 4 Science (Term 4)

2 pts

Natalia conducted an experiment in a completely dark room using 4 identical torches, W, X, Y and Z and a wooden block. She switched on 2 of the torches and observed the shadows as shown below.



Which 2 torches had been switched on?

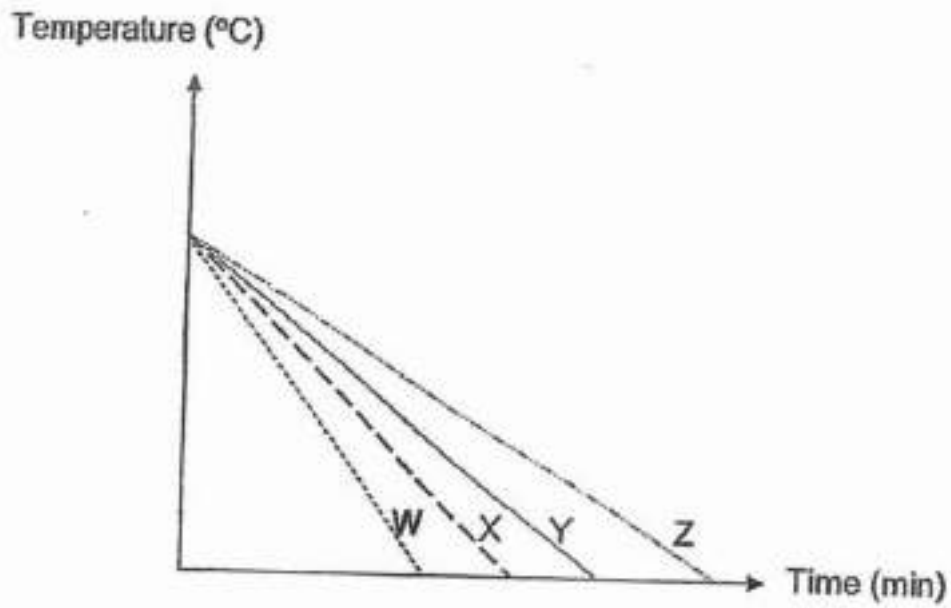
-
- A) X and Z
 - B) X and Y
 - C) W and Z
 - D) Y and Z

Question 21 of 62

Primary 4 Science (Term 4)

2 pts

The graph below shows the change in temperature for Metals W, X, Y and Z.



Which Metal W, X, Y and Z, is the best conductor of heat?

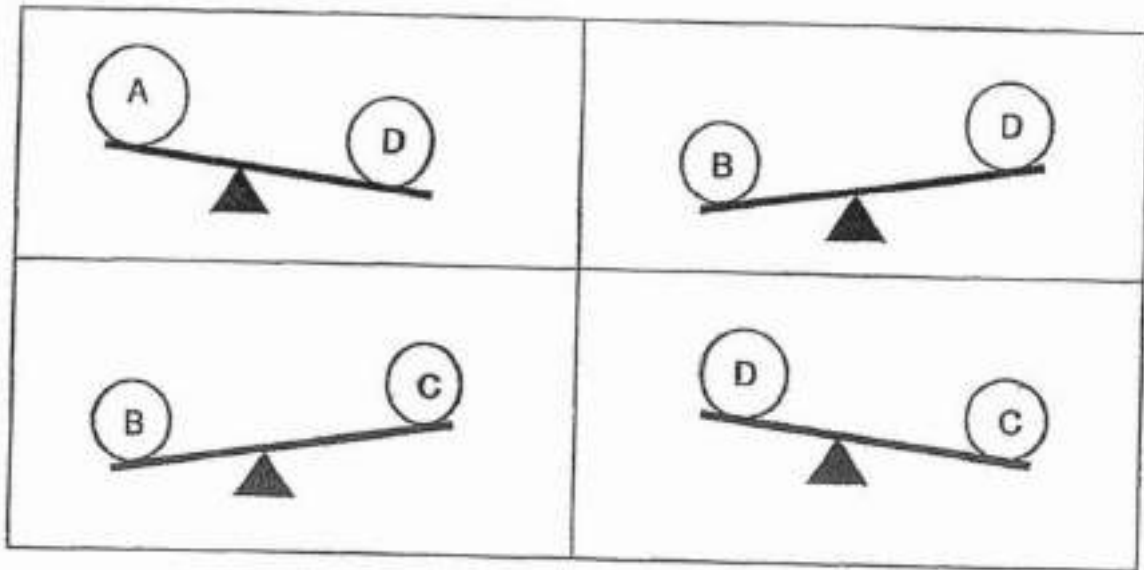
- A) W
- B) X
- C) Y
- D) Z

Question 22 of 62

Primary 4 Science (Term 4)

2 pts

Study the 4 diagrams below.



Arrange the mass of Objects, A, B, C and D, starting from the lightest.

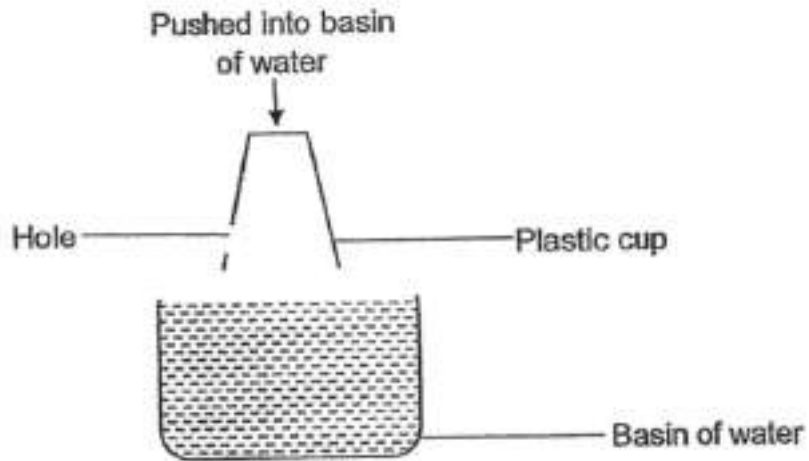
- A) A, D, C, B
- B) A, C, D, B
- C) B, D, C, A
- D) B, C, D, A

Question 23 of 62

Primary 4 Science (Term 4)

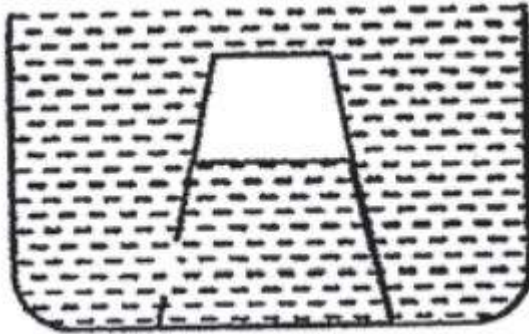
2 pts

A plastic cup with one hole is inverted and pushed vertically into a basin of water as shown below.

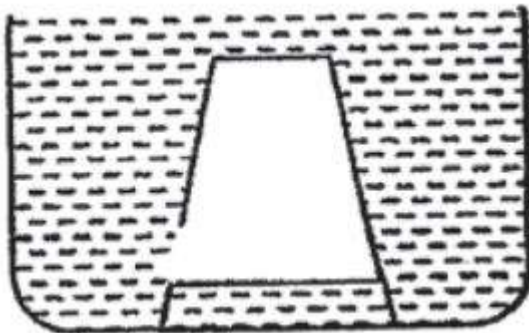


Which one of the following diagrams show the water level in the cup?

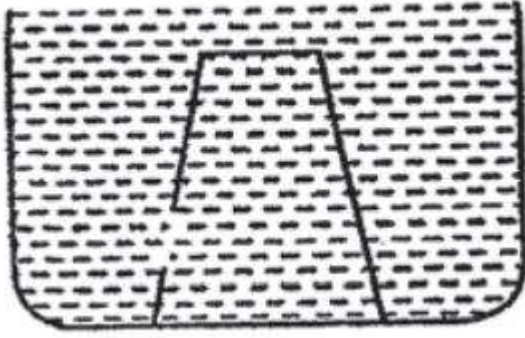
A)



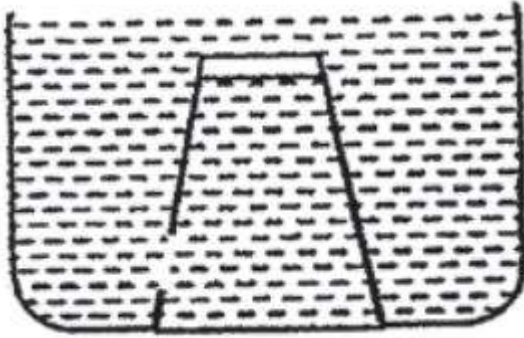
B)



C)



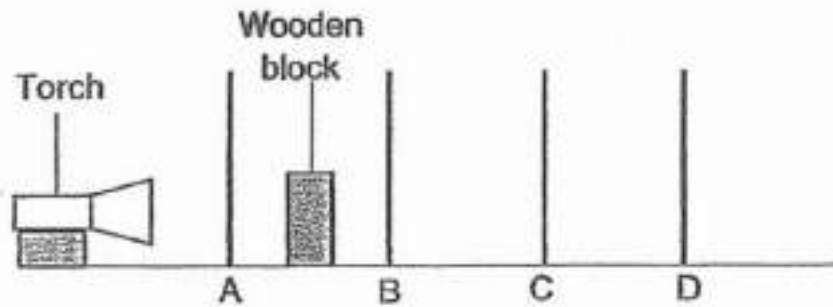
D)



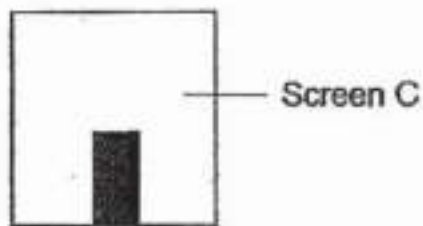
Question 24 of 62

Primary 4 Science (Term 4) 2 pts

Polly set up an experiment in a dark room using Screens, A, B, C and D and a wooden block as shown below.



When the torch was switched on, a shadow was cast only on Screen C as shown below.



Which one of the following statements is true about Polly's experiment?

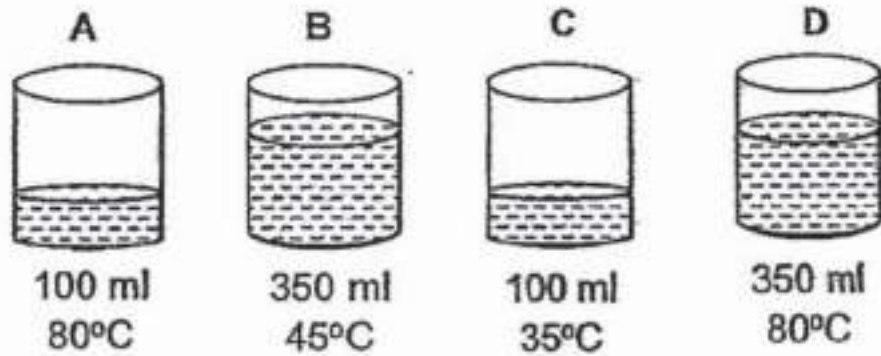
- A) Screen A allows light to pass through.
- B) Screen B does not allow any light to pass through.
- C) Screen C is made of transparent material.
- D) Screen D is made of opaque material.

Question 25 of 62

Primary 4 Science (Term 4)

2 pts

There are 4 beakers of water as shown below.



Which beaker of water has the greatest amount of heat?

- A) A
- B) B
- C) C
- D) D

Question 26 of 62

Primary 4 Science (Term 4)

2 pts

The table below shows the functions of the 4 human body systems which are represented by W, X, Y and Z.

| Human Body System | W | X | Y | Z |
|-------------------|--------------|--|--------------------------|--|
| Functions | Digests food | Allows exchange of gases with the surroundings | Gives the body its shape | Carries oxygen, water and digested food to different parts of the body |

Which one of the following has all the 4 human body systems matched correctly to their functions?

- A)

| | | | |
|----------|-------------|-------------|-----------|
| W | X | Y | Z |
| Skeletal | Circulatory | Respiratory | Digestive |
- B)

| | | | |
|-----------|-------------|----------|-------------|
| W | X | Y | Z |
| Digestive | Respiratory | Skeletal | Circulatory |
- C)

| | | | |
|-----------|-------------|----------|-------------|
| W | X | Y | Z |
| Digestive | Circulatory | Skeletal | Respiratory |
- D)

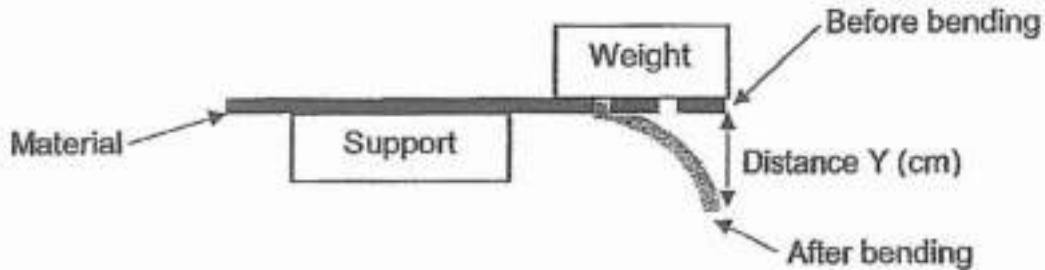
| | | | |
|----------|-------------|-----------|-------------|
| W | X | Y | Z |
| Skeletal | Respiratory | Digestive | Circulatory |

Question 27 of 62

Primary 4 Science (Term 4)

2 pts

Gillian wanted to find out which materials A, B, C or D can bend the most. She set up an experiment as shown below. She added the same amount of weight on the end of materials A, B, C and D. She then measured the distance Y for each material.



She recorded the distance Y for each material in the table below.

| Material | Distance Y (cm) |
|----------|-----------------|
| A | 0 |
| B | 1 |
| C | 2 |
| D | 10 |

Which material is most suitable to be used as the wire for the headphone?



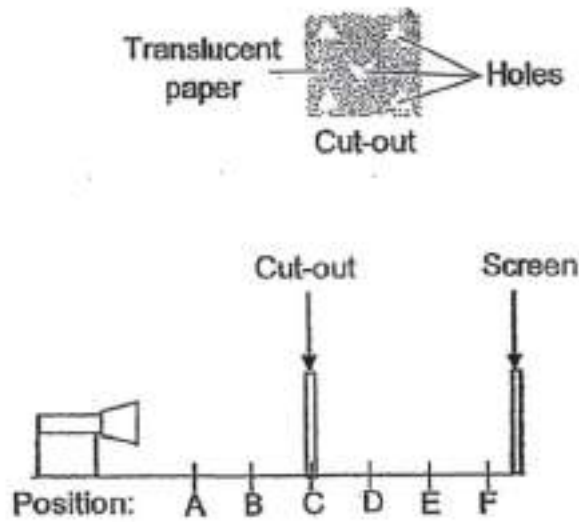
- A) Material A
- B) Material B
- C) Material C
- D) Material D

Question 28 of 62

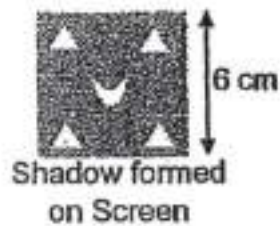
Primary 4 Science (Term 4)

2 pts

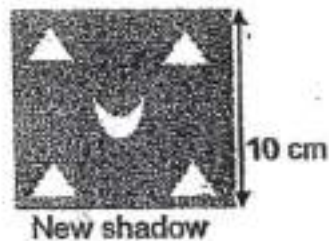
Irene placed the cut-out between the torchlight and the screen as shown below.



Irene placed the cut-out at Position C and turned on the torch. She observed the shadow formed on the screen as shown below.



Next, Irene changed the position of the cut-out and observed the shadow as shown below.



Which position did Irene place the paper?

- A) A or B
- B) B or E
- C) D or F
- D) E or F

Question 29 of 62

Primary 4 Science (Term 4)

1 pt

Ali observed and grouped some things as shown below in the table.

| F | G |
|----------------------------|-----------------------|
| Penguin Ant Mushroom | Stone Cloth Pen |

What is the suitable headings for Group F?

Question 30 of 62

Primary 4 Science (Term 4)

1 pt

Ali observed and grouped some things as shown below in the table.

| F | G |
|----------------------------|-----------------------|
| Penguin Ant Mushroom | Stone Cloth Pen |

What is the suitable heading for Group G?

Question 31 of 62

Primary 4 Science (Term 4)

1 pt

Fill in the blanks in the table with the names of the main animal grouping.

| Group | Characteristics |
|--------------|----------------------------|
| | Body covered with feathers |

Question 32 of 62

Primary 4 Science (Term 4)

1 pt

Fill in the blank in the table with the name of the main animal grouping.

| Group | Characteristics |
|-------|---------------------------|
| | Has dry skin, with scales |

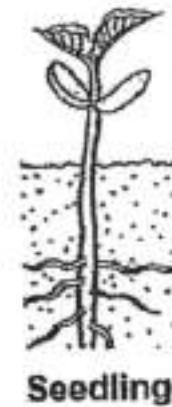
Question 33 of 62

Primary 4 Science (Term 4)

0 pts

Natalie recorded the mass of the seed leaves and the shoot as the seedling grows in the table below.

| Day | Mass of Part X (grams) | Mass of Part Y (grams) |
|-----|------------------------|------------------------|
| 0 | 1 | 0 |
| 4 | 0.8 | 0.1 |
| 8 | 0.6 | 0.15 |
| 12 | 0.4 | 0.2 |
| 16 | 0.2 | 0.25 |



State the conditions required for a seed to germinate. (1 mark)

This question 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.

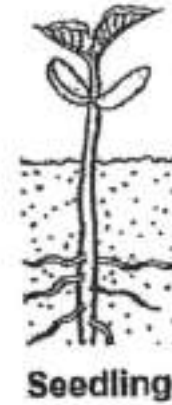
Question 34 of 62

Primary 4 Science (Term 4)

0 pts

Natalie recorded the mass of the seed leaves and the shoot as the seedling grows in the table below.

| Day | Mass of Part X (grams) | Mass of Part Y (grams) |
|-----|------------------------|------------------------|
| 0 | 1 | 0 |
| 4 | 0.8 | 0.1 |
| 8 | 0.6 | 0.15 |
| 12 | 0.4 | 0.2 |
| 16 | 0.2 | 0.25 |



Based on the table above, which part X or Y is more likely to be the seed leaves? Explain your choice. (2 marks)

This question 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.

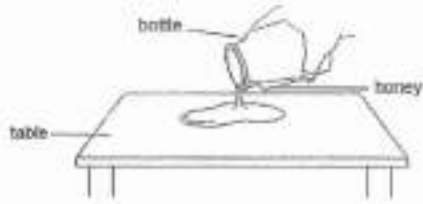
Question 35 of 62

Primary 4 Science (Term 4) 2 pts

Choose the correct words from the list to fill in the blanks below.

1. []

All pours honey from a bottle onto a table as shown below.



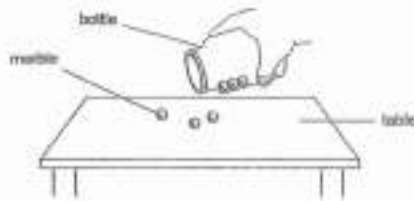
The volume of honey remains the same but its shape changes.

This shows that honey is a _____ . (1m)

A. Gas

2. []

All pours some marbles from a bottle onto a table as shown below.



The shape and volume of the marbles remain the same.

This shows that a marble is a _____ . (1m)

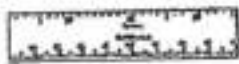
B. Solid

C. Liquid

Question 36 of 62

Primary 4 Science (Term 4) 2 pts

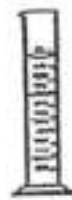
Study the apparatus as shown below.



Ruler

Weighing
scale

Thermometer

Measuring
cylinder

Write the apparatus which Calvin should use if he wants to measure:

1. [] the volume of water: _____

A. Weighing scale

2. [] the mass of flour: _____

B. Ruler

C. Measuring cylinder

D. Thermometer

Question 37 of 62

Primary 4 Science (Term 4) 0.5 pts

Read the statement below and choose the correct answer below.

Heat is matter.

- A) True
- B) False

Question 38 of 62

Primary 4 Science (Term 4) 0.5 pts

Read the statement below and choose the correct answer below.

Temperature is measured in degree Celsius ($^{\circ}\text{C}$).

- A) True
- B) False

Question 39 of 62

Primary 4 Science (Term 4) 0.5 pts

Read the statement below and choose the correct answer below.

Temperature is a form of energy.

- A) True
- B) False

Question 40 of 62

Primary 4 Science (Term 4) 0.5 pts

Read the statement below and choose the correct answer below.

The higher the temperature, the greater the amount of heat a substance has.

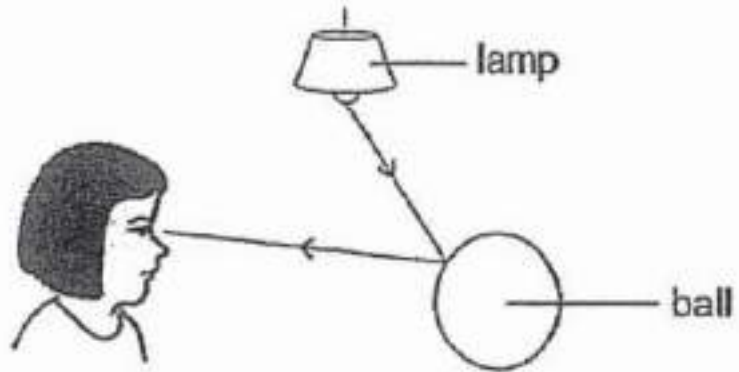
- A) True
- B) False

Question 41 of 62

Primary 4 Science (Term 4)

2 pts

The diagram below shows how Cara sees the ball.



Fill in the blanks below.

The _____ from the lamp is _____ by the ball and enters Cara's eye. (2 marks)

Question 42 of 62

Primary 4 Science (Term 4)

0 pts

The table below shows the property of Materials A, B and C.

| Property | Material A | Material B | Material C |
|---|------------|------------|------------|
| Allow most of the light to pass through | ✓ | | |
| Flexible | ✓ | ✓ | ✓ |
| Absorb water | | ✓ | |

Describe Material A by stating all its properties. (1 mark)

This question 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.

Question 43 of 62

Primary 4 Science (Term 4) 0 pts

The table below shows the property of Materials A, B and C.

| Property | Material A | Material B | Material C |
|---|------------|------------|------------|
| Allow most of the light to pass through | ✓ | | |
| Flexible | ✓ | ✓ | ✓ |
| Absorb water | | ✓ | |

State 2 similarities between Material B and C. (2 marks)

This question 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.

Question 44 of 62

Primary 4 Science (Term 4) 2 pts

Classify the following into matter and non-matter. (2 marks)

1. [] Air

A. Non-matter

2. [] Sand

B. Matter

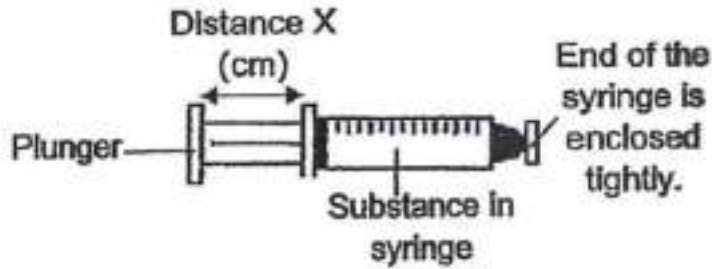
3. [] Shadow

Question 45 of 62

Primary 4 Science (Term 4) 0 pts

Sasha filled 2 identical syringes with Substances P and Q. She put an equal amount of each substance into each syringe.

Then, she pushed the plunger in as far as she could and measured Distance X as shown below.



Sasha recorded Distance X as shown in the in the graph below.

| Substance | Original distance X (cm) | Distance X after pushing (cm) |
|-----------|--------------------------|-------------------------------|
| P | 8 | 8 |
| Q | 8 | 2 |

Based on the results of her experiment, which substance is likely to be air? Explain your choice. (2m)

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

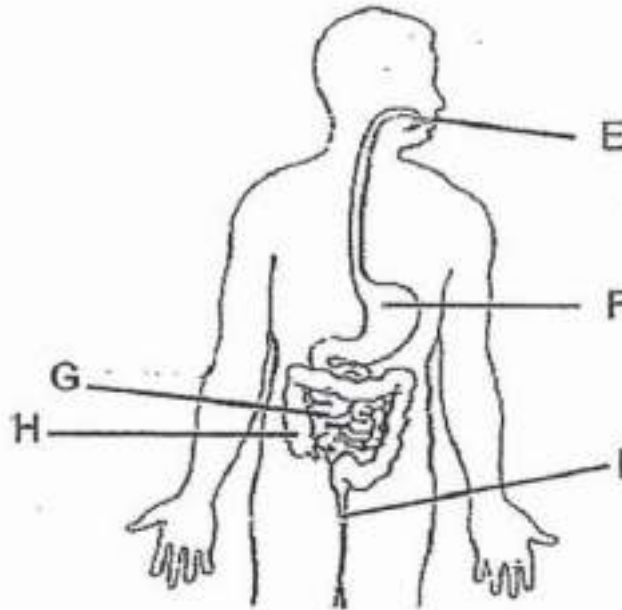
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 46 of 62

Primary 4 Science (Term 4)

3 pts

Parts E, F, G, H and I are parts of the human digestive system.



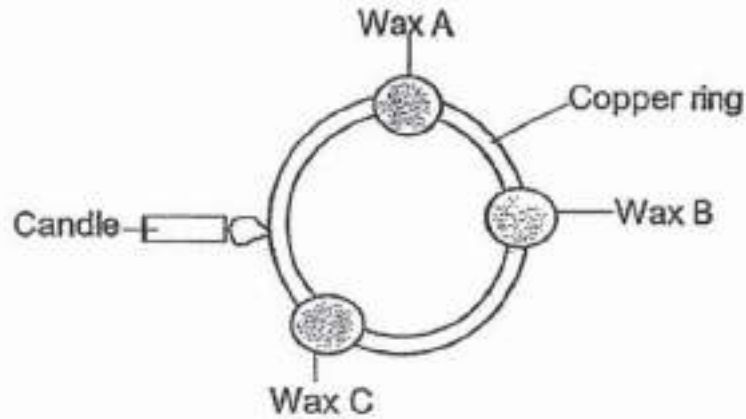
- | | | |
|--------|--|------|
| 1. [] | Digestion begins here. | A. H |
| 2. [] | Water is removed from the undigested food. | B. F |
| 3. [] | Digestion is completed. | C. G |
| | | D. E |
| | | E. I |

Question 47 of 62

Primary 4 Science (Term 4)

0 pts

Janice placed equal amounts of wax A, B and C around a copper ring. Then, she placed a candle at one part of the copper ring as shown below.



Which piece of wax A, B or C, will take the longest time to melt? Explain. (2m)

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

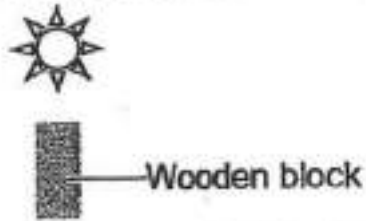
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 48 of 62

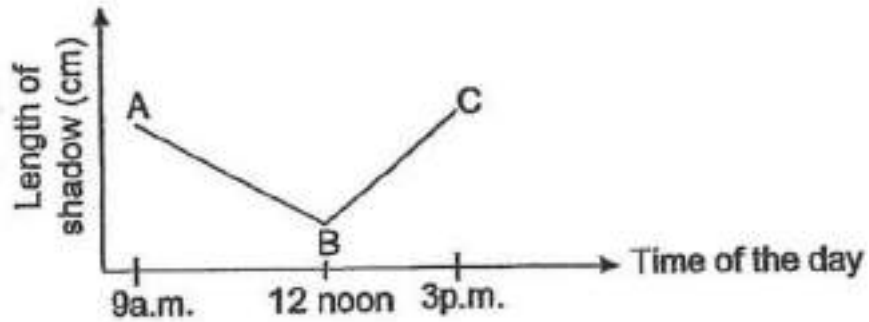
Primary 4 Science (Term 4)

1 pt

A wooden block is placed in an open field on a sunny day as shown below



The graph below shows how the wooden block's length of shadow changed in a day.



Choose the correct answer in the bracket below.

Describe how the length of the shadow changes during the time of the day.

The length of the shadow (**increases/decreases**) from 9 a.m. to 12 noon.

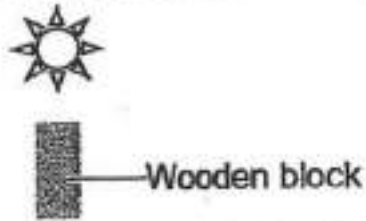
- A) increases
- B) decreases

Question 49 of 62

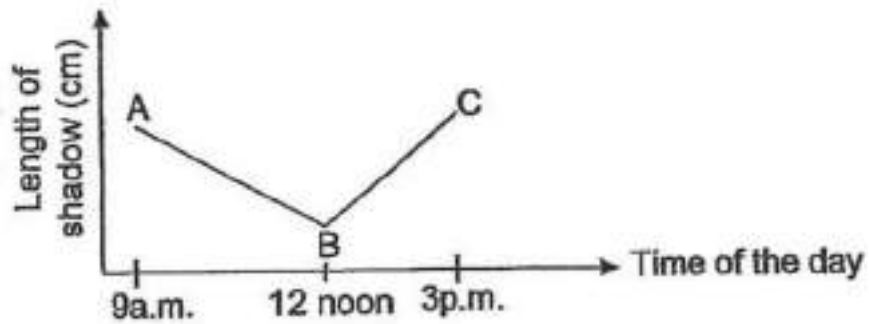
Primary 4 Science (Term 4)

1 pt

A wooden block is placed in an open field on a sunny day as shown below



The graph below shows how the wooden block's length of shadow changed in a day.



Choose the correct answer in the bracket below.

From 12 noon to 3 p.m., the length of the shadow (**increases/decreases**).

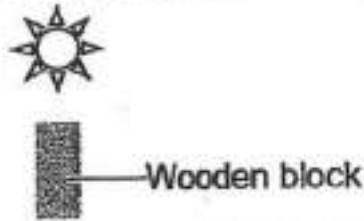
-
- A) increase
- B) decreases

Question 50 of 62

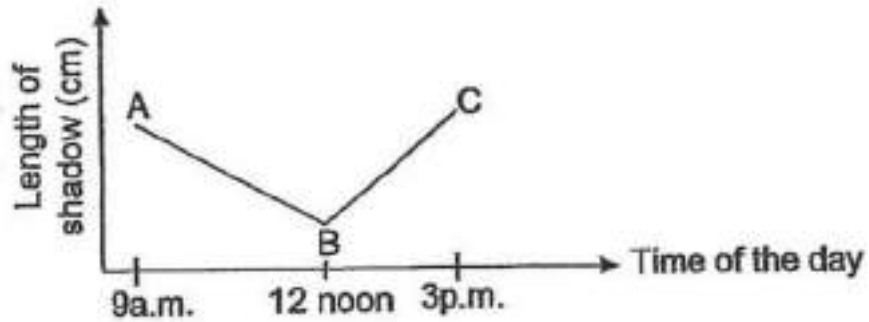
Primary 4 Science (Term 4)

0 pts

A wooden block is placed in an open field on a sunny day as shown below



The graph below shows how the wooden block's length of shadow changed in a day.



Explain how the shadow of the wooden block is formed. (1 mark)

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

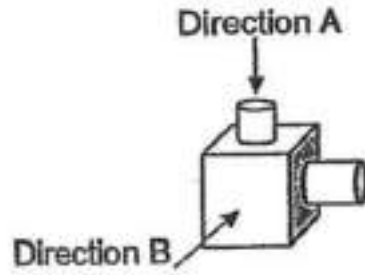
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 51 of 62

Primary 4 Science (Term 4)

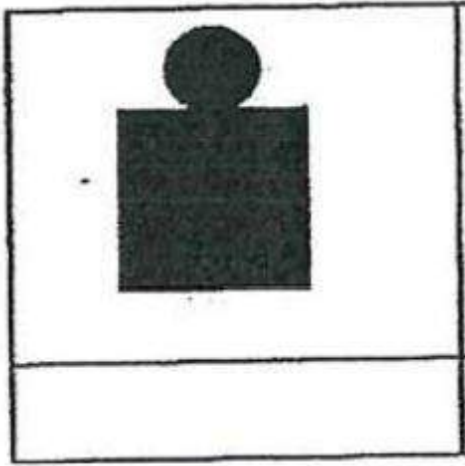
1 pt

The object below is made of an opaque material. A torch light is shone on the object from Direction A and then from Direction B.



Choose "A" and "B" for the correct shadows to indicate the shadows formed from Directions A and B.

1. []



A. B

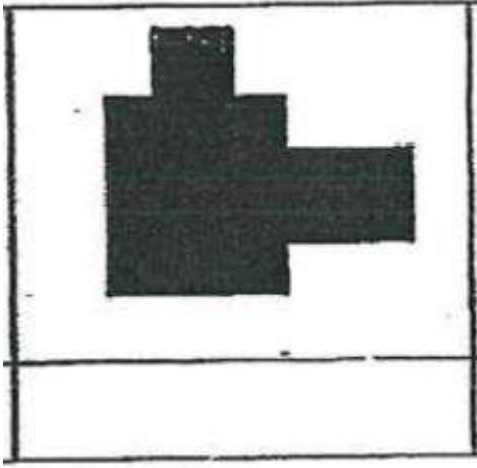
2. []



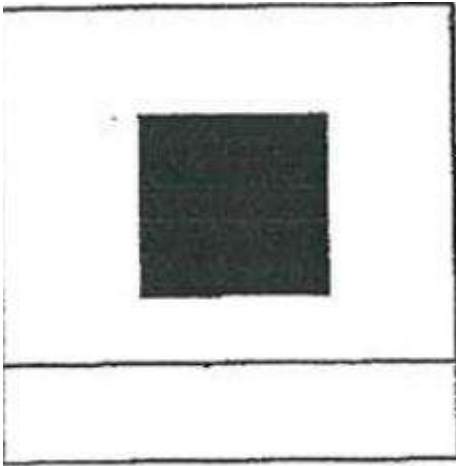
B. None

3. []

C. A



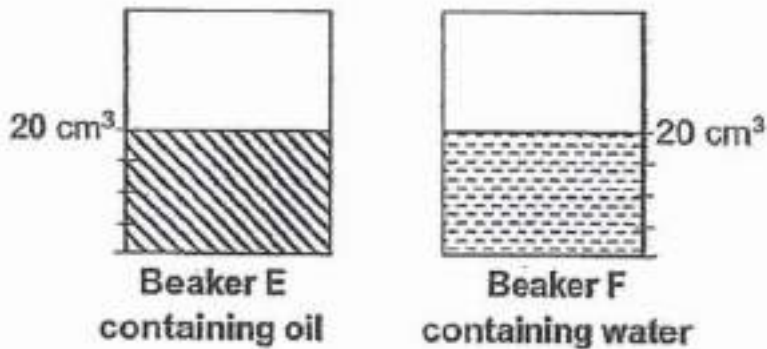
4. []

**Question 52 of 62**

Primary 4 Science (Term 4)

1 pt

Osman has 2 identical beakers, E and F, as shown below. Beaker E contains 20 cm^3 of oil and Beaker F contains 20 cm^3 of water.



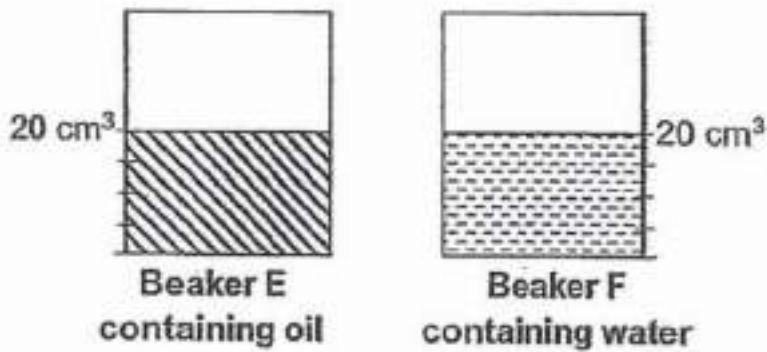
What is the total volume of oil and water in beakers E and F when the oil in beaker E is placed into the water in beaker F?

Question 53 of 62

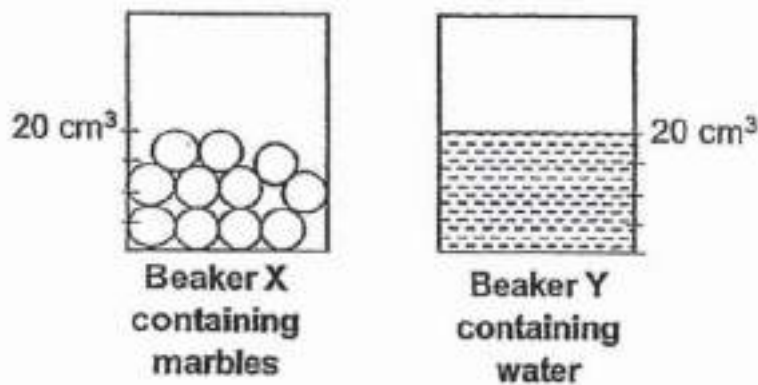
Primary 4 Science (Term 4)

1 pt

Osman has 2 identical beakers, E and F, as shown below. Beaker E contains 20 cm^3 of oil and Beaker F contains 20 cm^3 of water.



Next, Osman had a beaker of marbles and a beaker of water as shown below.

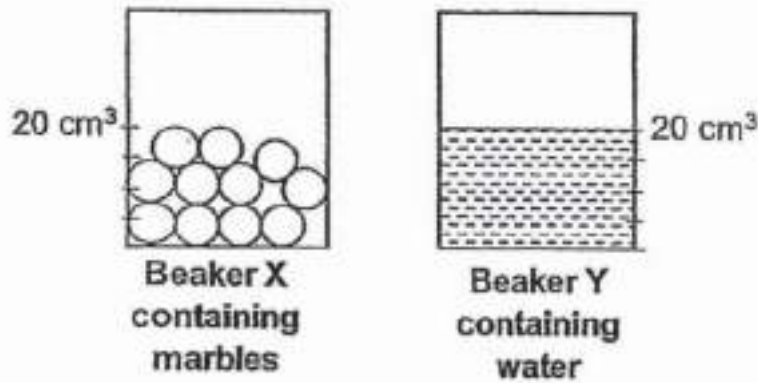


What would the total volume be when he added 20 cm^3 of water from Beaker Y into Beaker X?

Question 54 of 62

Primary 4 Science (Term 4) 0 pts

Next, Osman had a beaker of marbles and a beaker of water as shown below.



Explain your answers in the previous question. (1 mark)

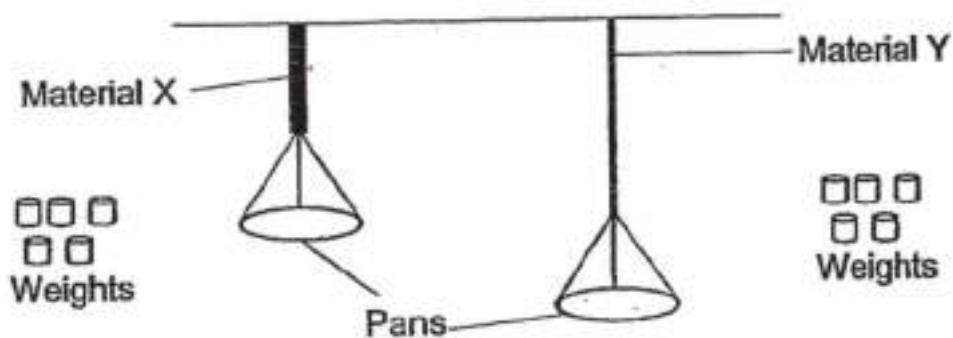
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

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.

Question 55 of 62

Primary 4 Science (Term 4) 1 pt

Yvonne set up an experiment using Materials X and Y as shown below.



Yvonne placed some weights on each pan, one at a time until the materials broke.

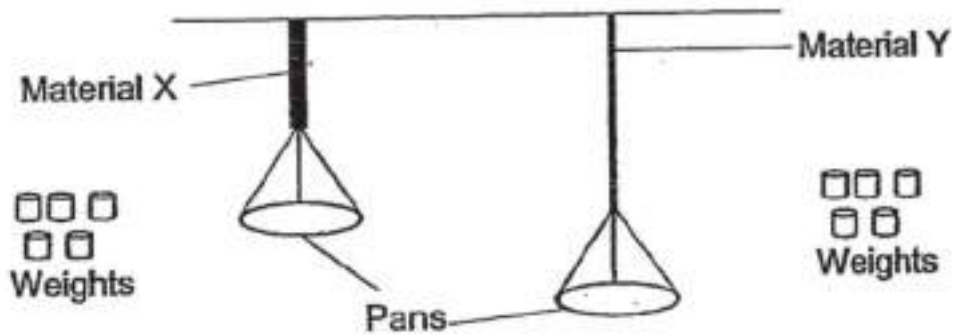
What property of the materials do you think Yvonne is trying to test? (1 mark)

Question 56 of 62

Primary 4 Science (Term 4)

0 pts

Yvonne set up an experiment using Materials X and Y as shown below.



Yvonne placed some weights on each pan, one at a time until the materials broke.

Yvonne did not carry out a fair test. State a variable that she should keep constant to make the test fair. (1 mark)

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

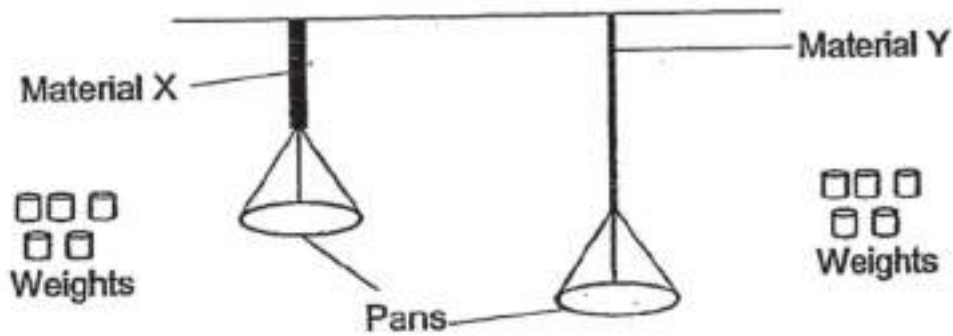
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 57 of 62

Primary 4 Science (Term 4)

1 pt

Yvonne set up an experiment using Materials X and Y as shown below.



Yvonne placed some weights on each pan, one at a time until the materials broke.

After making changes to her set-up, Yvonne carried out a fair test and recorded the results in the table below.

| Material | Mass the material could carry before breaking |
|----------|---|
| X | 8 kg |
| Y | 5 kg |

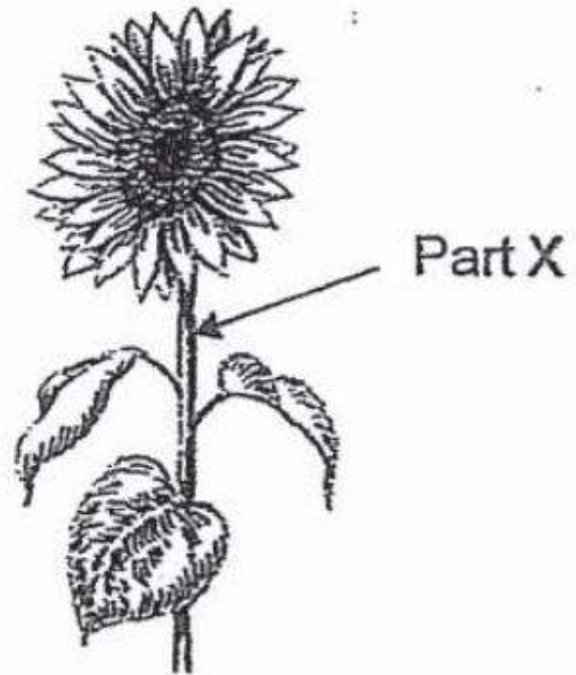
Which material should Yvonne choose if she were to use it to carry books which weigh 6 kg? (1m)

Question 58 of 62

Primary 4 Science (Term 4)

0 pts

Study the plant as shown below.



Plant

State a function of Part X. (1 mark)

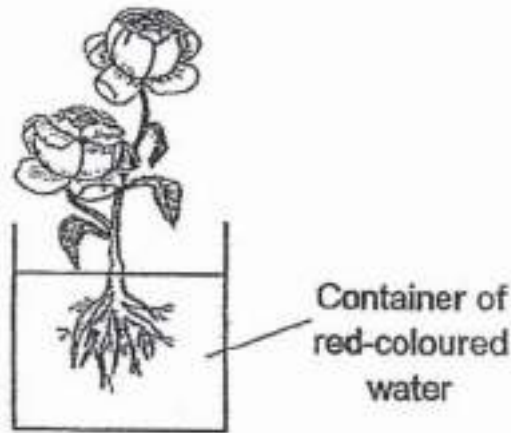
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

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.

Question 59 of 62

Primary 4 Science (Term 4) 0 pts

A plant with white flowers is placed in a container of red-coloured water as shown below. The flowers turned red after a week.



Explain how the flowers turned red. (2m)

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

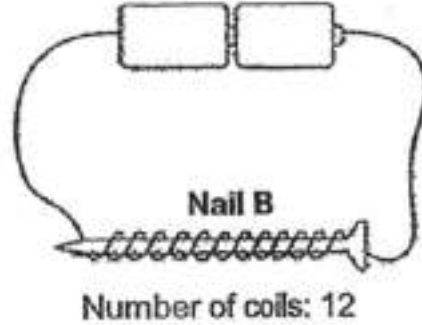
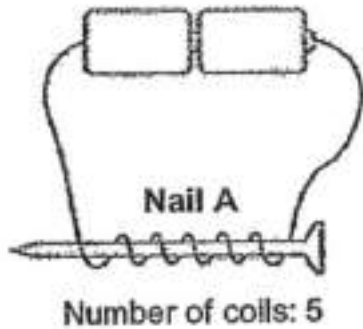
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 60 of 62

Primary 4 Science (Term 4)

0 pts

Lucy conducted an experiment as shown below.



The batteries she used were all new and she recorded the number of steel pins which were attracted by each nail in the table below.

| Nail | Type of nail | Number of coils |
|------|--------------|-----------------|
| A | Iron | 5 |
| B | Iron | 12 |

Based on Lucy's experiment, which magnet is able to attract more steel pins? Explain your answer. (2 marks)

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

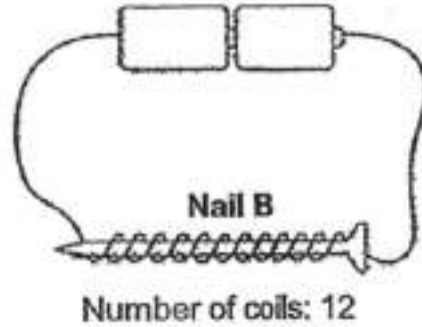
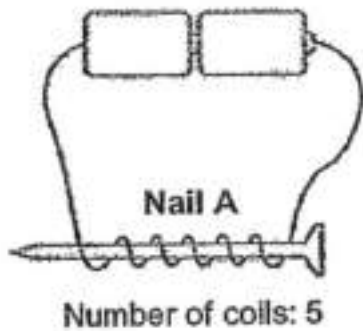
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 61 of 62

Primary 4 Science (Term 4)

1 pt

Lucy conducted an experiment as shown below.



The batteries she used were all new and she recorded the number of steel pins which were attracted by each nail in the table below.

| Nail | Type of nail | Number of coils |
|------|--------------|-----------------|
| A | Iron | 5 |
| B | Iron | 12 |

Lucy set-up another experiment using nail C. She changed the type of nail to copper.

| Nail | Type of nail | Number of coils |
|------|--------------|-----------------|
| C | Copper | 12 |

Fill in the blank below to show the number of steel pins that will be attracted by the copper nail.

Number of steel pins attracted: _____

Question 62 of 62

Primary 4 Science (Term 4) 0 pts

Lucy set-up another experiment using nail C. She changed the type of nail to copper.

| Nail | Type of nail | Number of coils |
|------|--------------|-----------------|
| C | Copper | 12 |

Explain your answer. (1 mark)

This question 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.
