

Test: Primary 5 Science (Term 3) - Nanyang (2020)

Points: 14 points

Name: _____

Score: _____

Date: _____

Signature: _____

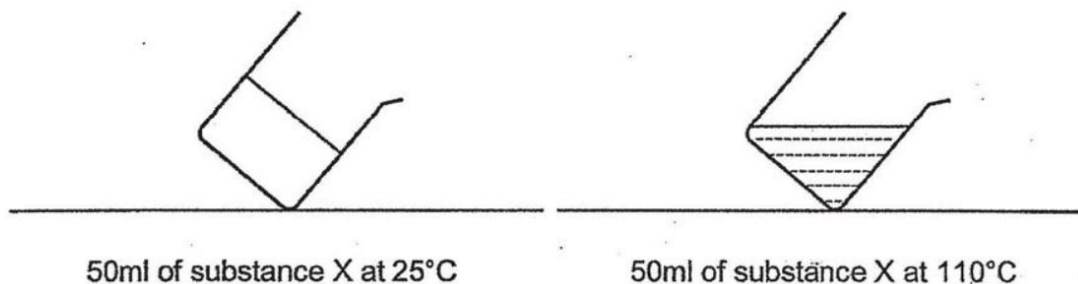
Select multiple choice answers with a cross or tick:

- Only select one answer
- Can select multiple answers

Question 1 of 14

Primary 5 Science (Term 3) 2 pts

Xin Ren took substance X out of the freezer and left it at room temperature before heating it. The diagram below shows what he observed at 25°C and 110°C.



Based on Xin Ren's observations, which of the following is possible?

- A)

Melting Point of X (°C)	Boiling Point of X (°C)
20	120
- B)

Melting Point of X (°C)	Boiling Point of X (°C)
25	100
- C)

Melting Point of X (°C)	Boiling Point of X (°C)
30	120
- D)

Melting Point of X (°C)	Boiling Point of X (°C)
35	105

Question 2 of 14

Primary 5 Science (Term 3) 2 pts

Some water was left to boil in a kettle. Mist was observed above the kettle as shown in the diagram below.



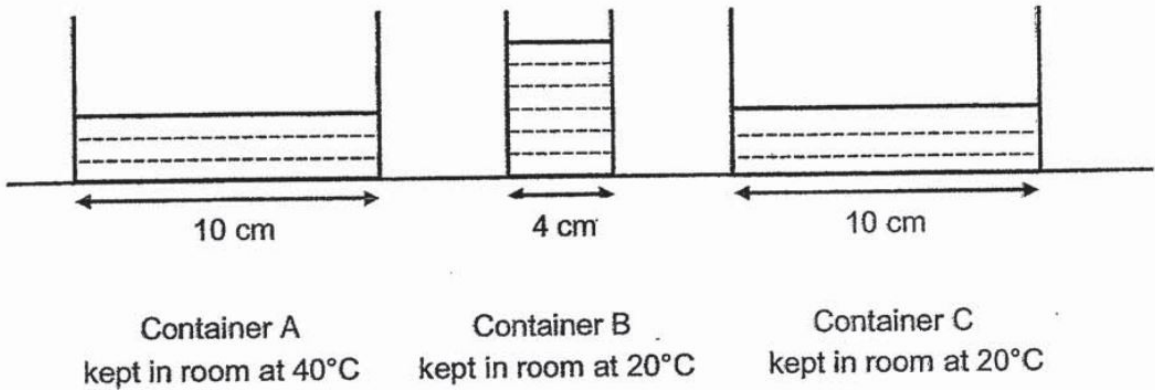
Which of the following statements is correct?

-
- A) Mist is in the liquid state and it is formed when water vapour loses heat to the surrounding air.
 - B) Mist is in the liquid state and it is formed when water droplets gain heat from the surrounding air.
 - C) Mist is in the gaseous state and it is formed when water vapour loses heat to the surrounding air.
 - D) Mist is in the gaseous state and it is formed when water droplets gain heat from the surrounding air.

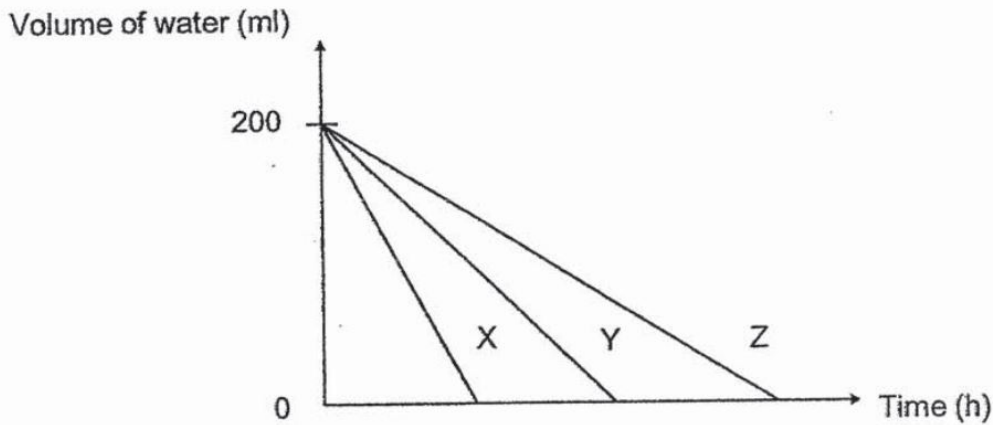
Question 3 of 14

Primary 5 Science (Term 3) 2 pts

Three containers, A, B and C, were filled with 200ml of water. They were placed in rooms of different temperatures.



The amount of water left in the containers were measured over time. The results were plotted on the graph below.



Which of the following correctly matches the graphs to the containers?

- A)

Graph X	Graph Y	Graph Z
Container A	Container B	Container C
- B)

Graph X	Graph Y	Graph Z
Container A	Container C	Container B
- C)

Graph X	Graph Y	Graph Z
Container B	Container C	Container A
- D)

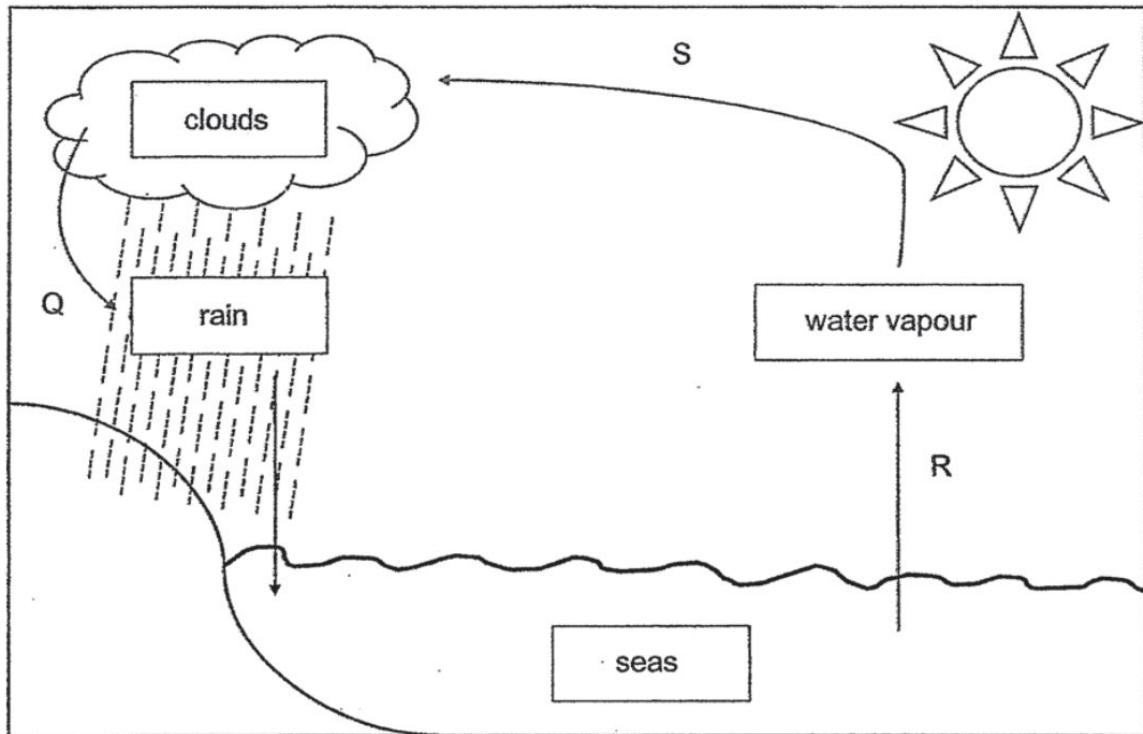
Graph X	Graph Y	Graph Z
Container C	Container A	Container B

Question 4 of 14

Primary 5 Science (Term 3)

2 pts

The diagram below represents the water cycle.



Which of the arrows represent a process which involves a change in state of water?

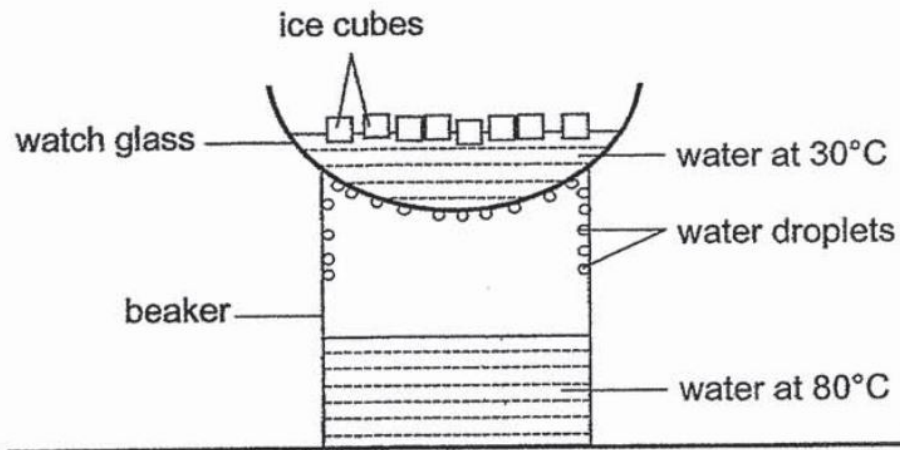
- A) R only
- B) Q and R only
- C) Q and S only
- D) R and S only

Question 5 of 14

Primary 5 Science (Term 3)

2 pts

The set-up below represents the water cycle.



Which part of the set-up represents the clouds?

- A) ice cubes
- B) water at 30°C
- C) water at 80°C
- D) water droplets

Question 6 of 14

Primary 5 Science (Term 3)

2 pts

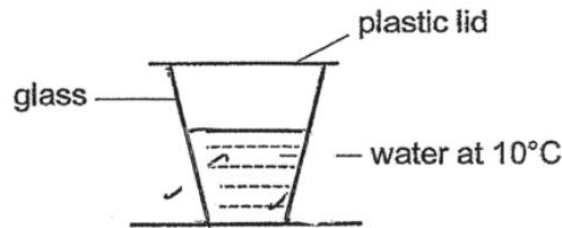
Which one of the following activities helps to conserve water?

- A) Taking longer showers
- B) Using a hose to wash car
- C) Using a mug to brush teeth
- D) Rinsing vegetables under running water

Question 7 of 14

Primary 5 Science (Term 3) 0 pts

Nathan left a glass of water at 10°C on the table at room temperature as shown below.



After some time, Nathan observed that some water droplets formed.

Draw the water droplets formed in the diagram above. (1 mark)

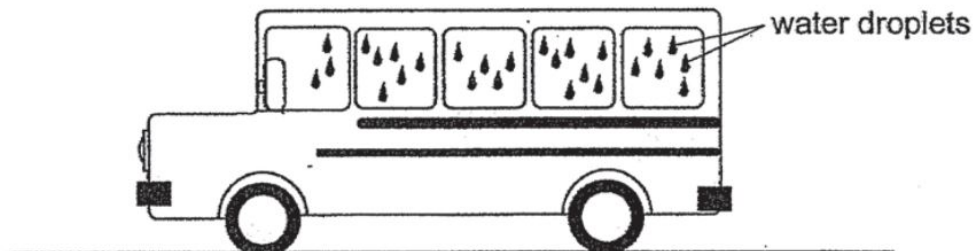
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

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 8 of 14

Primary 5 Science (Term 3) 0 pts

Later that day, Nathan took an air-conditioned bus to school. He noticed that water droplets formed on the outer surface of the windows of the bus.



Explain how the water droplets formed. (2 marks)

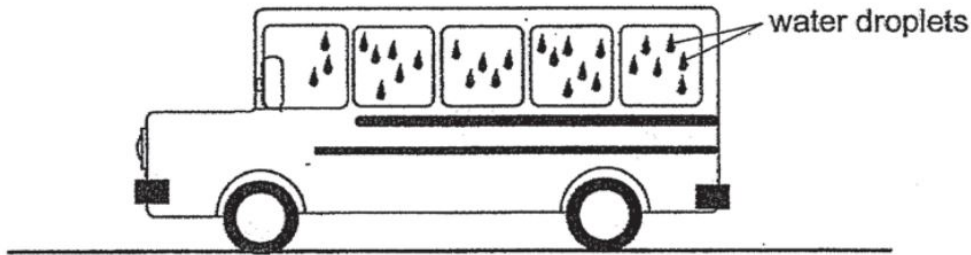
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Question 9 of 14

Primary 5 Science (Term 3) 0 pts

Later that day, Nathan took an air-conditioned bus to school. He noticed that water droplets formed on the outer surface of the windows of the bus.



When Nathan arrived at school, the bus driver parked the bus at school and turned the air conditioning off. Nathan observed that the water droplets on the outer surface of the windows 'disappeared' after some time.

Explain Nathan's observation. (1 mark)

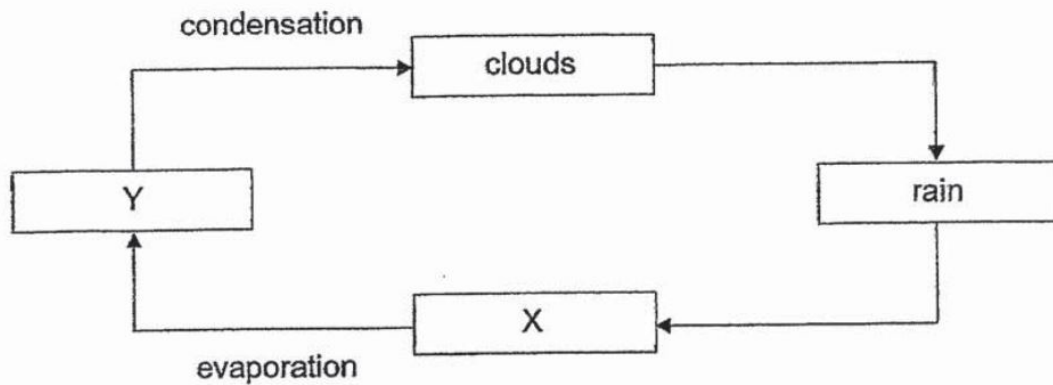
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Question 10 of 14

Primary 5 Science (Term 3) 0.5 pts

The diagram below represents the water cycle.

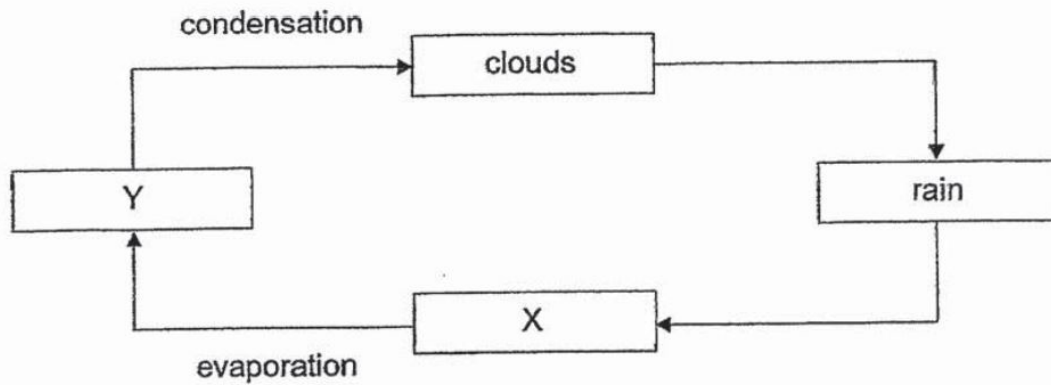


Identify substance X.

Question 11 of 14

Primary 5 Science (Term 3) 0.5 pts

The diagram below represents the water cycle.

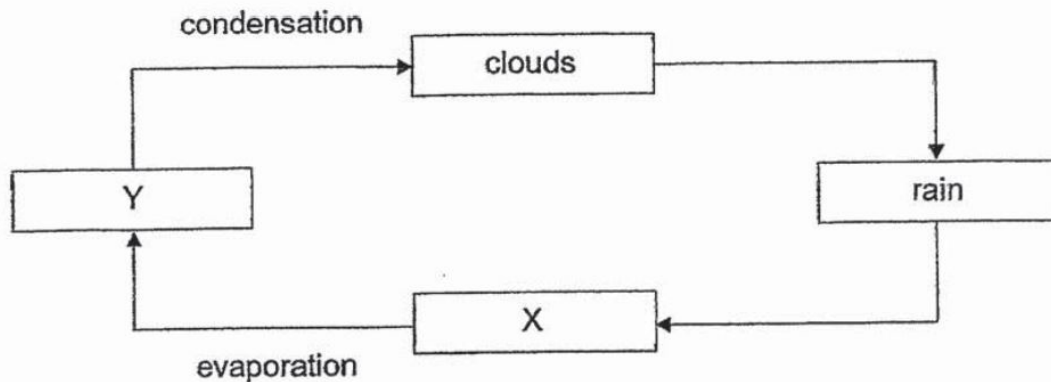


Identify substance Y.

Question 12 of 14

Primary 5 Science (Term 3) 1 pt

The diagram below represents the water cycle.



Indicate below if the substance gains heat or loses heat during the processes indicated.

1. Substance X: Water Bodies

A. Gain Heat

2. Substance Y: Water Vapour

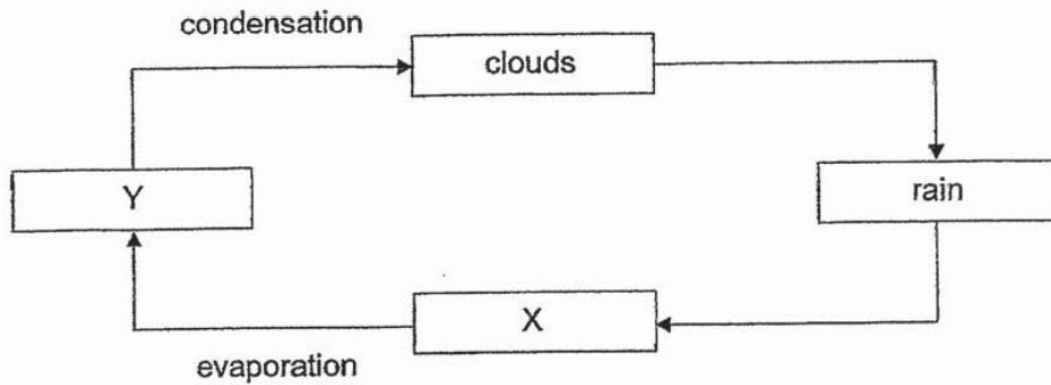
B. Loses Heat

Question 13 of 14

Primary 5 Science (Term 3)

0 pts

The diagram below represents the water cycle.



Explain why the Sun is needed in the water cycle. (1 mark)

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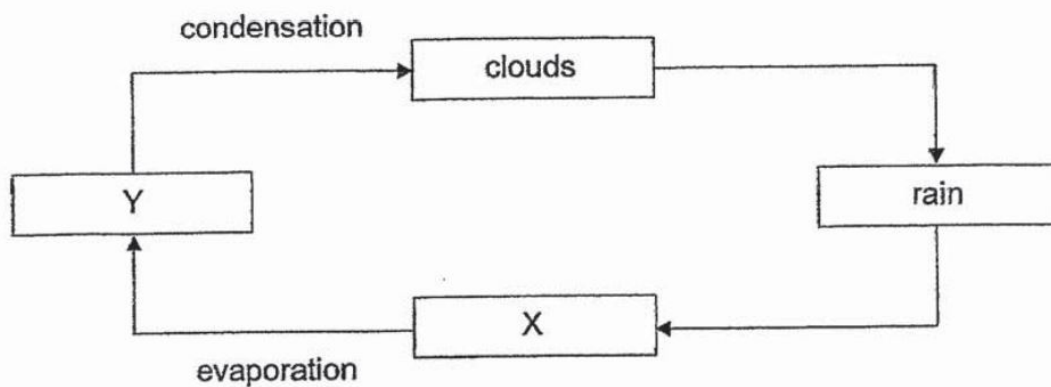
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Question 14 of 14

Primary 5 Science (Term 3)

0 pts

The diagram below represents the water cycle.



About 70% of the Earth is covered with water. Why is there still a need to conserve water? (1 mark)

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