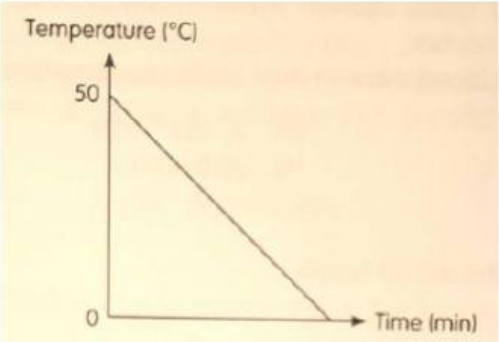
IQ School Science
Primary 5 Review for month of November 2021

Name: ( )	Class:	Date:
Parent's Signature:	Results: /60	%

Section A

1. Ahmad placed a thermometer in a cup of water and measured the temperature every five minutes for an hour. He then plotted his results in a graph as shown below:



Which of the following had taken place?

(1) Boiling (3) Melting

(2) Condensation (4) Freezing

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2. Steven prepared the set-up below.

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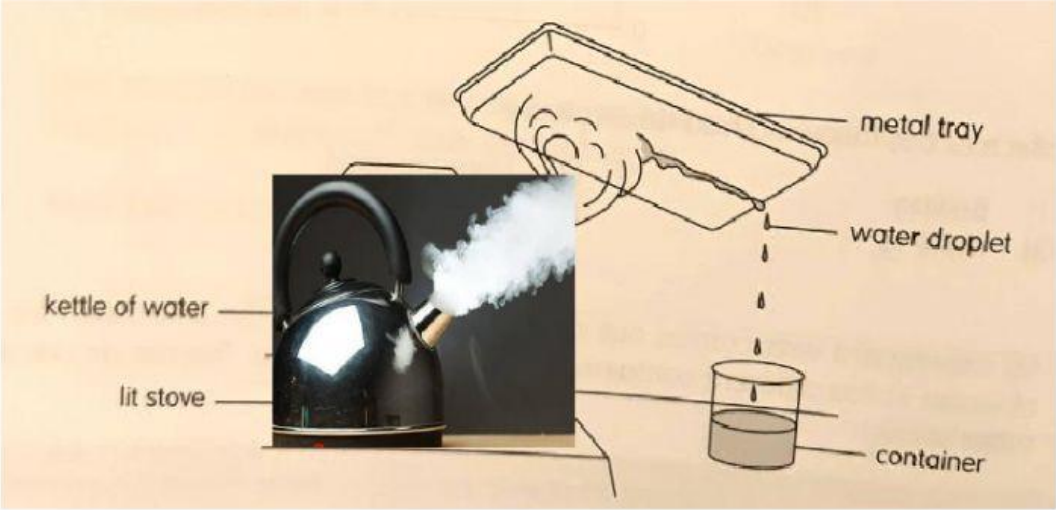

After a while, Steven noticed that the number of water droplets formed on the metal tray decreased. Why is this so?

1) The metal tray had become colder.
2) The temperature of the water in the kettle had become constant.
3) The water vapour at the metal tray had become cooler.
4) The metal tray had become warmer.

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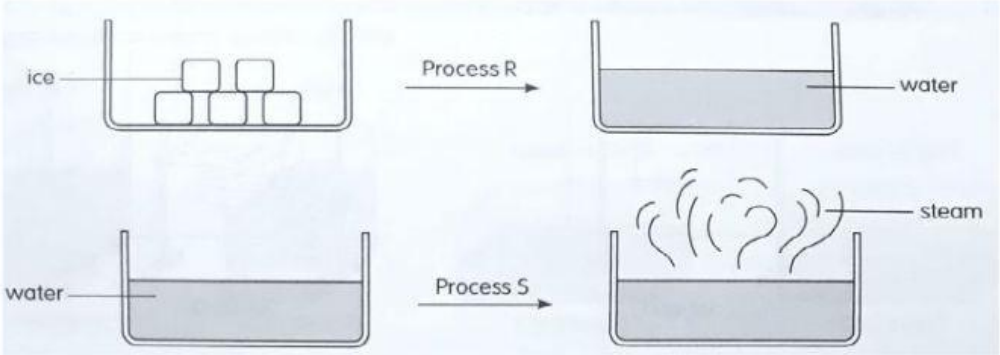
3. The diagrams below show the changes in state of water through processes R and S.



Which of the following is/are true?

A. Heat gain occurs during both processes R and S.

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B. Heat gain occurs during process R but heat loss occurs during process S.

C. Process R takes place at a lower temperature than process S.

(1) A only (3) A and C only

(2) B only (4) B and C only

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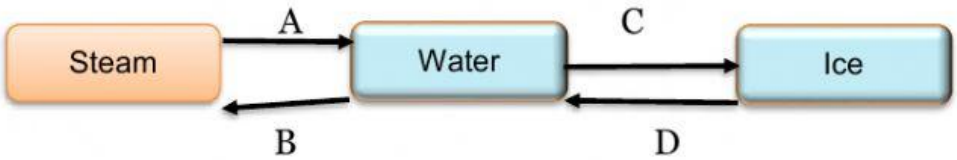
4. The diagram below shows how water changes from one state to another



Which of the following correctly identifies processes A. B. C and D?

	A	B	C	D
1)	Freezing	Condensation	Melting	Evaporation
2)	Condensation	Boiling	Freezing	Melting
3)	Condensation	Melting	Evaporation	Freezing
4)	Melting	Freezing	Boiling	Condensation

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5. The boiling points and melting points of four different substances A, B, **C** and **D**

Substance	Boiling point (°C)	Melting point (°C)
A	50	8
B	75	18
C	105	20
D	180	60

Which substances are in the liquid state at 25°C?

1) B and D only 2) A, B and C only

3) A, C and D only 4) A, B, C and D

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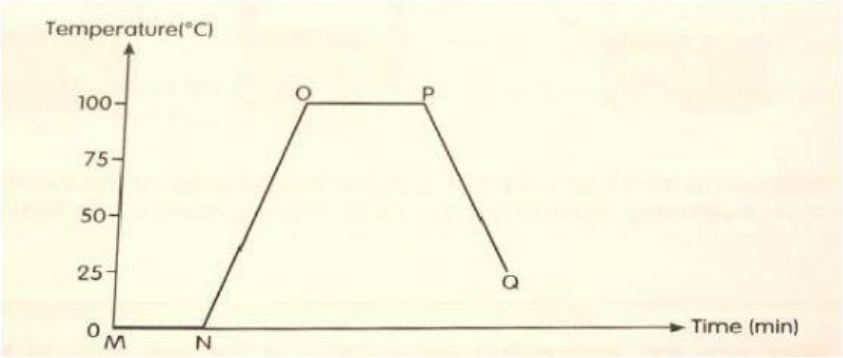
Section B



6. Sam placed some ice cubes in a beaker and heated the beaker for some time The graph below shows how the temperature of the contents in the beaker changed.

(a) What does part NO of the graph tell you about the temperature of the contents in the beaker?

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(b) *Part* OP *of* the graph shows a change in state of water. Name the process involved and explain your answer.

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(c) *If* Sam did not stop heating the beaker, what could be a possible reason *for the* change in temperature shown by part PQ of the graph?

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