

19. Which statements about condensation are correct?
- A Condensation can occur at room temperature.
 - B Condensation is the reverse process of evaporation.
 - C Condensation occurs when steam gains heat to become water.
 - D When water vapour comes into contact with a cool surface, it condenses on the surface.

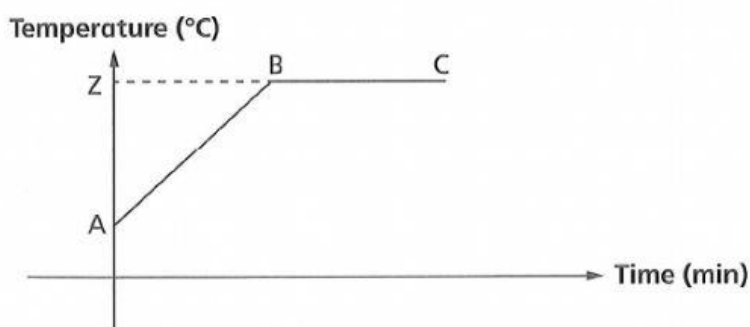
- (1) A and B only (2) C and D only
 (3) A, B and C only (4) A, B and D only ()

20. When does boiling occur?

- (1) Boiling occurs when steam gains heat to become water.
- (2) Boiling occurs when steam loses heat to become water.
- (3) Boiling occurs when water gains heat to become steam.
- (4) Boiling occurs when water loses heat to become steam. ()

Study the following information and answer questions 21 and 22.

The graph below shows how the temperature of a beaker of water at 30°C changes as it is heated to boiling.



21. What are the temperatures at points A and Z?

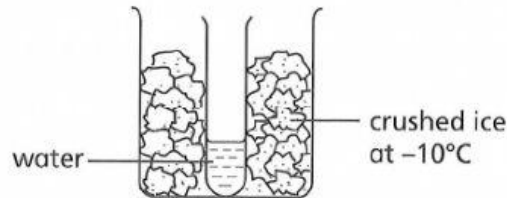


	A	Z
(1)	0°C	30°C
(2)	0°C	100°C
(3)	30°C	0°C
(4)	30°C	100°C

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22. In which state(s) does water exist during part BC of the graph?
- (1) Liquid state only
 - (2) Gaseous state only
 - (3) Solid state and liquid state
 - (4) Liquid state and gaseous state
- ()

23. Study the experimental set-up below.



What would happen to the water in the test tube after the test tube was placed in the crushed ice for 15 minutes?

- (1) The water would freeze.
 - (2) The water would evaporate.
 - (3) The water would increase in mass.
 - (4) The water would remain as a liquid.
- ()
24. Which statements about evaporation are correct?
- A Evaporation is the reverse process of boiling.
 - B Evaporation occurs only at the water surface.
 - C Evaporation occurs when water gains heat to become water vapour.
 - D Evaporation is the change from the gaseous state to the liquid state below the boiling point.
- (1) A and D only
 - (2) B and C only
 - (3) B, C and D only
 - (4) A, B, C and D
- ()
25. Which of the following conditions has a different effect to the rate of evaporation of water from the other conditions?
- (1) High humidity
 - (2) Presence of wind
 - (3) High temperature
 - (4) Large exposed surface area
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