

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.

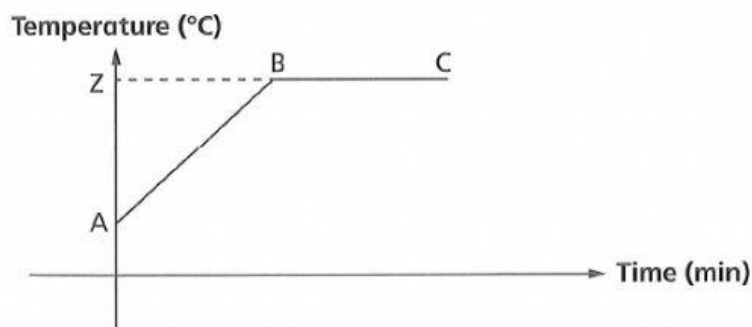
- (1) A and B only                      (2) C and D only  
 (3) A, B and C only                  (4) A, B and D only                  (     )

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.



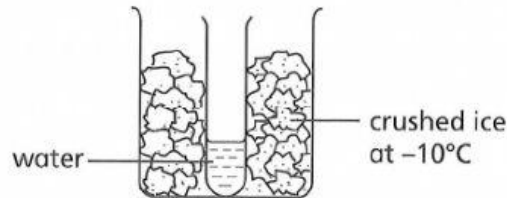
21. What are the temperatures at points A and Z?



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

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
- (     )