

Name: _____ Date: _____

Matter in Our Surroundings

Q1. Choose the correct statement of the following.

- (a) Conversion of solid into vapours without passing through the liquid state is called vapourisation.
- (b) Conversion of vapours into solid without passing through the liquid state is called sublimation.
- (c) Conversion of vapours into solid without passing through the liquid state is called freezing.
- (d) Conversion of solid into liquid is called sublimation.

Ans. _____

Q2. The boiling points of diethyl ether, acetone and n-butyl alcohol are 35°C, 56°C and 118°C respectively. Which one of the following correctly represents their boiling points in Kelvin scale?

- (a) 306 K, 329 K, 391 K
- (b) 308 K, 329 K, 392 K
- (c) 308 K, 329 K, 391 K
- (d) 329 K, 392 K, 308 K

Ans. _____

Q3. Which condition out of the following will increase the evaporation of water?

- (a) Increase in temperature of water
- (b) Decrease in temperature of water
- (c) Less exposed surface area of water
- (d) Adding common salt to water

Ans. _____

Q4. In which of the following conditions, the distance between the molecules of hydrogen gas would increase?

- (i) Increasing pressure on hydrogen contained in a closed container.
 - (ii) Some hydrogen gas leaking out of the container.
 - (iii) Increasing the volume of the container of hydrogen gas.
 - (iv) Adding more hydrogen gas to the container without increasing the volume of the container.
- (a) (i) and (iii)
 - (b) (i) and (iv)
 - (c) (ii) and (iii)
 - (d) (ii) and (iv)

Ans. _____