

Chemistry Worksheet Class 9 on Chapter 1 Matter in Our Surroundings with Answers - Set 1

Q1. Which of the following does not impact the evaporation rate?

- (a) Insoluble heavy impurities
- (b) Wind speed
- (c) Surface area
- (d) None of the above

Answer: (a) Insoluble heavy impurities do not impact the evaporation rate.

Q2. The kinetic energy of the molecule is directly proportional to the

- (a) Atmospheric pressure
- (b) Temperature
- (c) Both (a) and (b)
- (d) None of the above

Answer: (b) The kinetic energy of the molecule is directly proportional to the temperature.

Q3. The phenomenon in which solid directly converts to the vapour state is known as

- (a) Sublimation
- (b) Solidification
- (c) Vapourisation
- (d) None of the above

Answer: (a) The phenomenon in which solid directly converts to the vapour state is known as sublimation.

Q4. Which of the following is the correct interpretation of dry ice?

- (a) It is water in a solid-state
- (b) It is water in the vapour state
- (c) It is carbon dioxide in a vapour state
- (d) It is carbon dioxide in a solid-state

Answer: (d) Dry ice refers to the carbon dioxide in a solid-state.

Q5. What is the boiling point of water at sea level?

- (a) 0 K
- (b) 100 K
- (c) 373 K
- (d) None of the above

Answer: (c) The boiling point of water at sea level is 373 K.

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