

CLASS IX- CHEMISTRY
MATTER IN OUR SURROUNDING

Assignment-3

MULTIPLE CHOICE QUESTION - 3.1

1. Dry ice means -
(A) solid ammonia (B) solid carbon dioxide
(C) solid sulphur dioxide (D) normal ice
2. On a hot humid day rate of evaporation -
(A) is more (B) is less
(C) initially more, later on less (D) remains same.
3. During evaporation, particles of a liquid change into vapours only -
(A) form the surface. (B) from the bulk.
(C) from both surface and bulk. (D) neither from surface nor from bulk.
4. Rate of evaporation depends upon -
(A) temperature (B) surface area (C) humidity (D) All of these
5. Pressure of air at sea level is -
(A) one atmosphere (B) 76 cm of Hg (C) 760 mm of Hg (D) All of these
6. One atmosphere is equal to -
(A) 1.01×10^5 Pa (B) 3.46×10^4 Pa (C) 1 Pa (D) 10 Pa
7. During evaporation of liquid -
(A) the temperature of the liquid falls.
(B) the temperature of the liquid rises.
(C) the temperature of the liquid remains unchanged.
(D) all statements are wrong.
8. As temperature increases rate of evaporation -
(A) increases (B) decreases.
(C) first increases, then decreases. (D) remains same.
9. A gas can be best liquefied -
(A) by increasing the temperature. (B) by lowering the pressure.
(C) by increasing the pressure and reducing the temperature.
(D) None of these is correct.
10. In which phenomenon water changes into water vapour below its boiling point ?
(A) Evaporation (B) Condensation
(C) Boiling (D) No such phenomena exists

SUBJECTIVE QUESTION - 3.2

1. What is relation between pressure in atmospheres and pressure in pascals ?
2. Distinguish between boiling and evaporation.
3. Explain how gases can be liquefied ?
4. Clothes dry fast on a windy day. Why ?
5. Explain the factors affecting the rate of evaporation.
6. Why do we sweat more on a humid day ?
7. What is the purpose of sipping coffee from a saucer instead of sipping from a glass or cup ?
8. Why do we normally prefer cotton clothes during summer ?

Prerna Education