

## MATTER IN OUR SURROUNDINGS - Class IX - Paper Set 3

1. Which state of matter has no fixed volume or shape?
  - (a) Solid
  - (b) Liquid
  - (c) Gas
  - (d) None of the above
2. Which process is involved when ice changes directly into vapor?
  - (a) Freezing
  - (b) Sublimation
  - (c) Evaporation
  - (d) Condensation
3. The smell of food being cooked in the kitchen reaches us due to:
  - (a) Boiling
  - (b) Diffusion
  - (c) Condensation
  - (d) Freezing
4. Which factor does not affect the boiling point of a liquid?
  - (a) Temperature
  - (b) Atmospheric pressure
  - (c) Altitude
  - (d) Surface area
5. What happens to the particles of a liquid when it is cooled?
  - (a) They gain kinetic energy
  - (b) They stop moving
  - (c) They lose kinetic energy
  - (d) They move faster
6. Which of the following has the highest rate of diffusion?
  - (a) Solid
  - (b) Liquid

- (c) Gas
  - (d) Plasma
7. Which of the following is an example of a gas that can be liquefied by applying pressure and cooling?
- (a) Oxygen
  - (b) Carbon dioxide
  - (c) Nitrogen
  - (d) All of the above
8. The process of separating salt from seawater is called:
- (a) Sublimation
  - (b) Evaporation
  - (c) Condensation
  - (d) Freezing
9. Which is the most compressible state of matter?
- (a) Solid
  - (b) Liquid
  - (c) Gas
  - (d) Plasma
10. Which of the following is an example of a chemical change?
- (a) Melting of ice
  - (b) Boiling of water
  - (c) Burning of wood
  - (d) Evaporation of alcohol

**True Answers:**

1. (c)
2. (b)
3. (b)
4. (d)
5. (c)
6. (c)
7. (d)
8. (b)
9. (c)
10. (c)