

## MATTER IN OUR SURROUNDINGS - Class IX - Paper Set 5

1. Which of the following changes is a physical change?
  - (a) Rusting of iron
  - (b) Burning of coal
  - (c) Melting of wax
  - (d) Digestion of food
2. Which of the following will not sublime?
  - (a) Camphor
  - (b) Iodine
  - (c) Sodium chloride
  - (d) Naphthalene
3. Which of the following states of matter has the strongest intermolecular forces?
  - (a) Solid
  - (b) Liquid
  - (c) Gas
  - (d) Plasma
4. Which of the following processes is involved in the formation of clouds?
  - (a) Evaporation
  - (b) Sublimation
  - (c) Condensation
  - (d) Boiling
5. The process of cooling a liquid to change it into a solid is called:
  - (a) Boiling
  - (b) Condensation
  - (c) Freezing
  - (d) Melting
6. What is the SI unit of temperature?
  - (a) Celsius
  - (b) Fahrenheit

- (c) Kelvin
  - (d) Joule
7. What is the temperature at which solid and liquid coexist in equilibrium?
- (a) Melting point
  - (b) Boiling point
  - (c) Sublimation point
  - (d) Freezing point
8. Which of the following gases can diffuse faster?
- (a) Oxygen
  - (b) Hydrogen
  - (c) Nitrogen
  - (d) Carbon dioxide
9. What happens to the kinetic energy of particles when a solid changes into a liquid?
- (a) It increases
  - (b) It decreases
  - (c) It remains the same
  - (d) It fluctuates
10. Which of the following liquids has the highest boiling point?
- (a) Alcohol
  - (b) Mercury
  - (c) Water
  - (d) Ether

**True Answers:**

- 1. (c)
- 2. (c)
- 3. (a)
- 4. (c)
- 5. (c)
- 6. (c)
- 7. (a)

8. (b)

9. (a)

10. (b)