

## MATTER IN OUR SURROUNDINGS - Class IX - Paper Set 1

1. Which of the following is a property of matter?
  - (a) It has mass and occupies space
  - (b) It can grow
  - (c) It does not occupy space
  - (d) It does not have mass
2. What is the physical state of matter at room temperature for oxygen?
  - (a) Solid
  - (b) Liquid
  - (c) Gas
  - (d) Plasma
3. The process of a solid changing directly to a gas is called:
  - (a) Condensation
  - (b) Sublimation
  - (c) Freezing
  - (d) Deposition
4. Which of the following is an example of diffusion in gases?
  - (a) Mixing of sugar in water
  - (b) Smell of perfume spreading in a room
  - (c) Melting of ice
  - (d) Formation of clouds
5. Which factor does not affect the rate of evaporation?
  - (a) Temperature
  - (b) Humidity
  - (c) Surface area
  - (d) Volume of liquid
6. Which state of matter is characterized by having a fixed shape and volume?
  - (a) Solid
  - (b) Liquid

- (c) Gas
  - (d) Plasma
7. The boiling point of water at normal atmospheric pressure is:
- (a) 0°C
  - (b) 50°C
  - (c) 100°C
  - (d) 200°C
8. The process of converting a liquid into vapor by heating is known as:
- (a) Evaporation
  - (b) Boiling
  - (c) Condensation
  - (d) Freezing
9. Which of the following best describes plasma?
- (a) It is a superheated solid
  - (b) It is a charged gas
  - (c) It is a liquid under pressure
  - (d) It is a type of metal
10. The melting point of ice is:
- (a) -5°C
  - (b) 0°C
  - (c) 50°C
  - (d) 100°C

**True Answers:**

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

8. (b)

9. (b)

10. (b)