

Section A: MCQs (1 mark each)

1. Water turning into ice is called:
 - a) Melting
 - b) Freezing
 - c) Evaporation
 - d) Diffusion
2. In which state are particles far apart?
 - a) Solid
 - b) Liquid
 - c) Gas
 - d) Ice
3. Diffusion is:
 - a) A state
 - b) A change in color
 - c) Movement of particles from high to low concentration
 - d) Movement of heat

Section B: Assertion-Reason (1 mark each)

4. **A:** Matter has mass and occupies space.
R: Light is an example of matter.
5. **A:** Gases spread quickly.
R: Their particles are closely packed.

Section C: Case Study (4 marks)**Mini Case Study:**

A teacher placed an open bottle of perfume in a room. Within minutes, the smell spread everywhere.

- a) What process caused the smell to spread?
- b) What state of matter is perfume in?
- c) Why did the smell not stay in one corner?
- d) Is this an example of a physical or chemical change?

Section D: Short Answer Questions**2-Mark Questions**

6. Define melting with an example.
7. Name one solid and one gas with their properties.
8. Difference between evaporation and condensation.

3-Mark Questions

9. Describe what happens when steam turns into water.
10. Explain how sugar dissolves in water using the concept of particle space.

4-Mark Question

11. Draw and label particle arrangements in solids, liquids, and gases. Also explain how their motion differs.

