

## CHAPTER-8 | A Journey through States of Water

QUIZ  
PART-03

1. Ice → Water → Vapour occurs by:

- A. Cooling
- B. Heating
- C. Freezing
- D. Condensing (B)

*Explanation:* Heating increases particle movement.

2. Water → Ice occurs by:

- A. Heating
- B. Melting
- C. Cooling
- D. Evaporation (C)

*Explanation:* Cooling reduces particle movement.

3. Melting is conversion of:

- A. Liquid to solid
- B. Solid to liquid
- C. Gas to liquid
- D. Gas to solid (B)

*Explanation:* Solid changes to liquid.

4. Freezing is conversion of:

- A. Liquid to solid
- B. Solid to gas
- C. Gas to liquid
- D. Liquid to gas (A)

*Explanation:* Liquid becomes solid.

5. Heating increases:

- A. Size
- B. Colour
- C. Movement of particles
- D. Weight (C)

*Explanation:* Heat increases particle motion.

6. Evaporation is slower on rainy day because of:

- A. High humidity
- B. Sunlight
- C. Wind
- D. Fire (A)

*Explanation:* Air already has more vapour.

7. Water evaporates faster in:

- A. Shade
- B. Sunlight
- C. Night
- D. Cold room (B)

*Explanation:* Heat increases evaporation.

8. Atmospheric Water Generator works on:

- A. Freezing
- B. Condensation
- C. Burning
- D. Melting (B)

*Explanation:* It condenses vapour to water.

9. Cooling reduces movement of:

- A. Air
- B. Light
- C. Particles
- D. Sound (C)

*Explanation:* Lower temperature slows particles.

10. Rainy days are more humid because:

- A. More vapour in air
- B. Less air
- C. More ice
- D. More wind (A)

*Explanation:* Humidity means more vapour.