

## CHAPTER-1 | Matter in Our Surroundings

QUIZ  
PART-04

1. Gas → liquid by:

- A. Low P, high T
  - B. High P, low T
  - C. High T only
  - D. Low P only
- (B)

*Explanation:* High pressure + low temperature.

2. Dry ice is:

- A. O<sub>2</sub>
  - B. N<sub>2</sub>
  - C. CO<sub>2</sub>
  - D. H<sub>2</sub>
- (C)

*Explanation:* Solid CO<sub>2</sub>.

3. Evaporation is:

- A. Solid → liquid
  - B. Liquid → vapour
  - C. Gas → liquid
  - D. Solid → gas
- (B)

*Explanation:* Liquid changes to vapour.

4. Evaporation occurs at:

- A. Only BP
  - B. Only MP
  - C. Any temp
  - D. 0°C
- (C)

*Explanation:* Below boiling point.

5. Evaporation is:

- A. Bulk
  - B. Surface
  - C. Chemical
  - D. Permanent
- (B)

*Explanation:* Happens at surface.

6. Rate increases with:

- A. Humidity
  - B. Low T
  - C. Surface area
  - D. No wind
- (C)

*Explanation:* More area → faster.

7. Rate decreases with:

- A. Wind
  - B. Heat
  - C. Humidity
  - D. Area
- (C)

*Explanation:* Moist air slows evaporation.

8. Cooling due to:

- A. Heat loss
  - B. Heat gain
  - C. No change
  - D. Solid formation
- (A)

*Explanation:* Heat absorbed from surroundings.

9. Cotton in summer:

- A. Reflects heat
  - B. Absorbs sweat
  - C. Increases heat
  - D. No effect
- (B)

*Explanation:* Helps evaporation.

10. Drops on glass form by:

- A. Evaporation
  - B. Leakage
  - C. Condensation
  - D. Melting
- (C)

*Explanation:* Vapour → liquid.

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