

## CHAPTER-6 | Pressure, Winds, Storms, and Cyclones

QUIZ  
PART-03

1. Envelope of air around Earth is:

- A. Hydrosphere
- B. Atmosphere
- C. Lithosphere
- D. Biosphere (B)

*Explanation:* Atmosphere surrounds Earth.

2. Air exerts pressure:

- A. Only upward
- B. Only downward
- C. In all directions
- D. Only sideways (C)

*Explanation:* Air pressure acts everywhere.

3. Balloon inflates because:

- A. Heat
- B. Air pressure inside
- C. Water
- D. Magnetism (B)

*Explanation:* Air pushes outward.

4. Rubber sucker sticks due to:

- A. Magnet
- B. Lower pressure inside
- C. Heat
- D. Gravity (B)

*Explanation:* Higher external air pressure holds it.

5. We are not crushed because:

- A. Air weak
- B. Internal pressure balances external pressure
- C. Gravity
- D. Heat (B)

*Explanation:* Internal body pressure balances air.

6. Nitrogen is present in:

- A. Air
- B. Water
- C. Soil only
- D. Food (A)

*Explanation:* Nitrogen is major component of air.

7. Larger surface area experiences:

- A. Less air force
- B. More air force
- C. No force
- D. Equal force (B)

*Explanation:* Force increases with area.

8. Air pressure unit is:

- A. Pascal
- B. Watt
- C. Joule
- D. Volt (A)

*Explanation:* Air pressure measured in Pascal.

9. Atmospheric pressure is:

- A. Weak
- B. Very strong
- C. Zero
- D. Negative (B)

*Explanation:* It exerts large force.

10. Folded sheet easier to lift because:

- A. Larger area
- B. Smaller area
- C. More weight
- D. More gravity (B)

*Explanation:* Smaller area → less air force.