

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

QUIZ
PART-02

1. Liquid pressure depends on:

- A. Width
- B. Height of column
- C. Shape
- D. Colour (B)

Explanation: Pressure increases with depth.

2. Water exerts pressure:

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

Explanation: Liquids exert pressure in all directions.

3. Dam base is broader because:

- A. Decoration
- B. Water pressure increases with depth
- C. Less cement
- D. Colour (B)

Explanation: Bottom pressure is highest.

4. Adding more water causes balloon to:

- A. Shrink
- B. Bulge more
- C. Burst
- D. Dry (B)

Explanation: Higher column increases pressure.

5. At same water level, pressure is:

- A. Different
- B. Equal
- C. Zero
- D. Double (B)

Explanation: Same depth gives equal pressure.

6. Liquid pressure at bottom is:

- A. Least
- B. Maximum
- C. Zero
- D. Same as top (B)

Explanation: Pressure increases with depth.

7. Holes in bottle show water flows due to:

- A. Heat
- B. Pressure
- C. Gravity only
- D. Light (B)

Explanation: Water pressure pushes out.

8. Increasing depth increases:

- A. Volume
- B. Pressure
- C. Colour
- D. Shape (B)

Explanation: Pressure rises with height of liquid.

9. Pressure in narrow and broad pipe at same level is:

- A. Different
- B. Equal
- C. Zero
- D. Double (B)

Explanation: Depends on depth, not width.

10. Water pressure acts on:

- A. Bottom only
- B. Sides only
- C. Bottom and sides
- D. Top only (C)

Explanation: Liquid exerts pressure everywhere.