

## CHAPTER-4 | Magnetic Effect of Electric Current

QUIZ  
PART-04

1. Voltaic cell produces electricity by:

- A. Heat
- B. Chemical reaction
- C. Magnetism
- D. Light (B)

**Explanation :** Chemical reaction generates current.

2. Electrolyte is usually:

- A. Pure water
- B. Weak acid/salt solution
- C. Oil
- D. Gas (B)

**Explanation :** It helps conduct electricity.

3. Electrodes are:

- A. Wires
- B. Metal plates
- C. Glass
- D. Plastic (B)

**Explanation :** Two metal plates act as electrodes.

4. When chemicals are used up:

- A. More current
- B. Cell dies
- C. Heat increases
- D. Light glows (B)

**Explanation :** No reaction means no electricity.

5. Lemon battery works because:

- A. Lemon is magnet
- B. Lemon juice is electrolyte
- C. Copper heats
- D. Nail glows (B)

**Explanation :** Lemon juice conducts electricity.

6. Positive electrode is usually:

- A. Zinc
- B. Copper
- C. Iron
- D. Plastic (B)

**Explanation :** Copper acts as positive terminal.

7. Voltaic cell named after:

- A. Newton
- B. Volta
- C. Edison
- D. Tesla (B)

**Explanation :** Alessandro Volta invented battery.

8. LED glows showing:

- A. Heat
- B. Current flow
- C. Sound
- D. Light only (B)

**Explanation :** Current completes circuit.

9. Pure water is:

- A. Good conductor
- B. Poor conductor
- C. Magnet
- D. Heater (B)

**Explanation :** Pure water conducts poorly.

10. Electricity comes from:

- A. Frog
- B. Metal reaction
- C. Heat
- D. Light (B)

**Explanation :** Chemical reaction between metals.