

## CHAPTER-3 | Electricity – Circuits and their Components

QUIZ  
PART-08

1. What are electrical conductors?

- A. Materials that stop electric current
- B. Materials that allow electric current to pass through them
- C. Materials that store electricity
- D. Materials that produce electricity (B)

**Explanation :** Conductors are materials that allow electric current to pass through them.

2. Which of the following is an example of a conductor?

- A. Plastic
- B. Rubber
- C. Glass
- D. Copper (D)

**Explanation :** Copper is a good conductor of electricity.

3. Which material is classified as an insulator?

- A. Aluminium
- B. Iron
- C. Plastic
- D. Silver (C)

**Explanation :** Plastic does not allow electric current to pass through it and is an insulator.

4. Which of the following liquids conducts electricity?

- A. Distilled water
- B. Tap water
- C. Oil
- D. Kerosene (B)

**Explanation :** Tap water contains dissolved salts and conducts electricity.

5. What is a tester used for?

- A. To store electricity
- B. To generate electricity
- C. To check whether a material conducts electricity
- D. To increase current (C)

**Explanation :** A tester is used to check if a material allows electricity to pass through it.

6. Which metal is mainly used for making electrical wires?

- A. Silver
- B. Gold
- C. Copper
- D. Iron (C)

**Explanation :** Copper is mainly used for electrical wires due to its lower cost and abundant supply.

7. Why are insulators used to cover electrical wires?

- A. To improve appearance
- B. To increase current
- C. To protect people from electric shocks
- D. To make wires heavier (C)

**Explanation :** Insulators are used to cover conductors to protect people from electric shocks.

8. Which of the following is the best conductor of electricity?

- A. Iron
- B. Aluminium
- C. Copper
- D. Silver (D)

**Explanation :** Silver is one of the best conductors of electricity.

9. What type of current is supplied by batteries?

- A. Alternating Current (AC)
- B. Direct Current (DC)
- C. Mixed Current
- D. Static Current (B)

**Explanation :** Batteries supply Direct Current (DC), which is used in small devices.

10. The human body can conduct electricity.

- A. True
- B. False
- C. Sometimes only
- D. Never (A)

**Explanation :** The human body contains water and salts, so it can conduct electricity.