

CHAPTER-3 | Electricity – Circuits and their Components

QUIZ
PART-02

1. What is found inside a torch light to provide electricity?
- A. Wires
B. Switch
C. Bulb
D. Electric cells (D)

Explanation : Electric cells inside a torch act as the source of electricity.

2. How many electric cells are usually found inside a torch light?
- A. Only one
B. Usually two or more
C. Only three
D. Always four (B)

Explanation : A torch usually contains two or more electric cells to supply sufficient power.

3. Which of the following components is NOT mentioned as part of a torch light?
- A. Bulb
B. Switch
C. Electric cells
D. Fan (D)

Explanation : A fan is not a component of a torch light.

4. What is an electric cell?
- A. A large power station
B. A wire that carries electricity
C. A small portable source of electrical energy
D. A device that produces light (C)

Explanation : An electric cell is a small portable source of electrical energy.

5. How many terminals does an electric cell have?
- A. One
B. Two
C. Three
D. Four (B)

Explanation : An electric cell has two terminals: positive and negative.

6. Which part of the electric cell is the positive terminal?
- A. Flat metal base
B. Plastic cover
C. Metal cap
D. Wire end (C)

Explanation : The positive terminal of an electric cell is the metal cap.

7. Which part of the electric cell is the negative terminal?
- A. Metal cap
B. Plastic body
C. Wire
D. Flat metal base (D)

Explanation : The negative terminal of an electric cell is the flat metal base.

8. How are electric cells arranged inside a torch?
- A. Randomly
B. Side by side
C. Positive terminal of one connected to negative of the next
D. All positives together (C)

Explanation : Cells are placed in a specific order where the positive terminal of one connects to the negative terminal of the next.

9. What is a battery?
- A. A single electric cell
B. A bulb and switch together
C. A combination of two or more electric cells
D. A wire connection (C)

Explanation : A battery is formed by combining two or more electric cells.

10. Why are batteries commonly used in torch lights, remotes, and toys?
- A. They are colourful
B. They are cheap
C. They provide more power and last longer
D. They produce heat (C)

Explanation : Batteries provide more power and last longer than a single cell.