

St. Andrews Scots Sr. Sec. School

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Session: 2026 – 27

(Worksheet-3)

Class: VII

Subject: Science

Chapter: Electricity: Circuit and
their components

Q1. Defines the following terms:

- Electric cell
- Battery
- Conductors
- Alternating current
- Insulator

Q2. Fill in the blanks:-

- _____ do not allow electricity to flow.
- The longer line in the cell symbol shows the _____ terminal.
- The filament is usually made of _____.
- LED do not have a _____.
- Electricity flows from the positive terminal to the _____.

Q3. State whether the following statement is true or false:

- A bulb glows when the electric circuit is complete. _____
- Plastic and rubber are conductors. _____
- A bulb glows when wires are loosely connected. _____
- A switch controls the flow of current in an electric circuit. _____

Q4. Answer the following questions:

- What do you mean by a complete circuit?
- Why do electric wires have plastic coating?
- Why electric wires are usually made of copper?
- Draw symbols of the following electric circuit components:
 - Battery
 - Electric cell
 - LED
 - Glowing bulb