

St. Andrews Scots School

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Session: 2025 – 2026
(Worksheet-11)

Class: VII

Subject: Science

Chapter: Electric current and its Effects

Q1. Define:

- a) Ammeter
- b) Circuit Diagram
- c) Electric fuse
- d) Electromagnetic field

Q2. Fill in the blanks:

- a) The cylindrical coil of wire is called a _____.
- b) The flow of electricity is known as _____.
- c) _____ is a source of an electric current.
- d) An instrument used to measure flow of electric current is called _____.
- e) Filament of a bulb is made up of _____.

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

- a) Electricity can flow through metals.
- b) The higher the resistance, more is heat produced.
- c) Instead of metal wires, a jute string can be used to make a circuit.
- d) MCB is a safety device which breaks when excessive current flows through it.
- e) An electric bell has a bar-shaped electromagnet.

Q4. Very Short Questions Answers:

- a) What is heating effects of electric current? Explain the factors on which heating effect is dependent?
- b) What is circuit diagram? Draw a circuit diagram with an open key, bulb, battery and a resistance.
- c) Distinguish between an open and closed circuit.
- d) Why is an electric fuse required in all electrical appliances?

e) We should not touch the lighted bulb. Explain, why?