



INDIAN SCHOOL DARSAIT DEPARTMENT OF SCIENCE



Subject : Science	Topic : Electricity and circuits	Date : 10-01-2018
Resource person – Induresmi S	Date of worksheet:	
Name of the Student : _____	Class & Division : _____	Roll Number : ____

MUTIPLE CHOICE QUESTIONS

1. An electric current flows in the circuit from 1
 - a) Negative terminal of the cell to positive terminal
 - b) Positive terminal of the cell to negative terminal
 - c) Positive terminal of the cell to positive terminal
 - d) All the above

2. Which of these is a set of good conductors of electricity? 1
 - a) pure water ,wood ,silver b) copper, iron, silver
 - c) wood, graphite, copper d) rubber , glass, wood

3. In an electric bulb, light is produced due to the glowing of 1
 - a) the glass case of the bulb. b) the thin filament.
 - c) the thick wires supporting the filament. d) gases inside glass case of the bulb.

4. The bulb will not glow if the ends A and B are connected with 1
 - a) A steel spoon b) A metal clip c) A plastic clip d) A copper wire



5. Choose the incorrect statement. 1
 - a) A switch is the source of electric current in a circuit.
 - b) A switch help to complete or break the circuit.
 - c) A switch helps us to use electricity as per our requirement.
 - d) When the switch is open there is an air gap between its terminals.

FILL IN THE BLANKS

1. An -----produces electricity from the chemicals stored inside it. 1

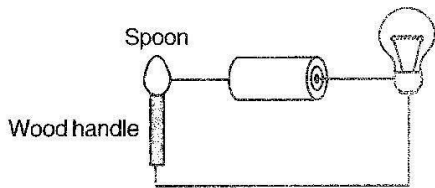
2. The materials that do not allow electric current to pass through them are called ----- 1

3. The metal cap of the electric cell is its----- terminal .(positive/negative) 1

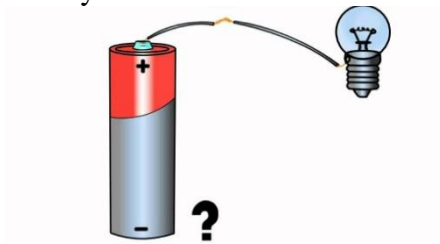
- 4 Current flows in a circuit that is ----- (open/closed) 1
- 5 Metals are good ----- (insulators/conductors) 1

SHORT ANSWER QUESTIONS

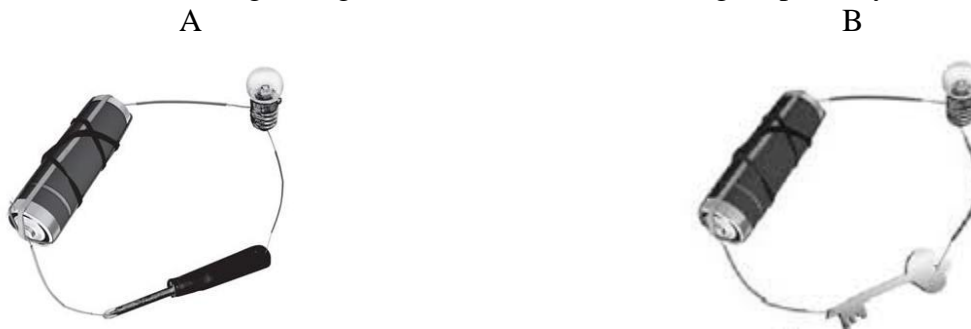
- 1 Paheli wanted to glow a torch bulb using a cell. She could not get connecting wires, instead, she got two strips of aluminium foil. Will she succeed? Explain, how? 1
2. Explain why the bulb will not light in the circuit shown in the figure? 1



3. Make the circuit for electricity to reach bulb. 1



4. If the circuit is arranged as given below , does the bulb light up ? Why? 2



5. In which of the following circuits the bulb will not glow? Why? 2

