
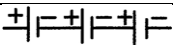
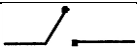




Electricity and Circuits

Synopsis

- Electricity is a form of energy widely used by man.
- The simplest form of a circuit is when the two terminals of a cell are connected to the two terminals of a bulb through a switch.
- In an electric circuit/the direction of current is taken from the positive terminal to the negative terminal of the source.
- When a circuit is complete, current (charges) starts flowing. It stops flowing when the circuit breaks at a point.
- A switch is used to break or complete a circuit.
- Materials that allow electricity to pass through them are called conductors. Most of the metals and impure water are examples of conductors.
- Materials that do not allow electricity to pass through them are called insulators. Dry wood, pure water, air and rubber are examples of insulators.
- To represent an electric circuit certain symbols are being used. A list of few symbols are given below in the table.

Circuit components	Symbols
Cell	
Battery	
Tap key	
Resistor	
Fuse	
Bulb	