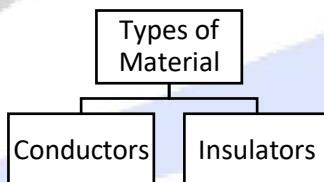


Power House

- main source of electricity
- runs heavy appliances
- gives huge amount of electrical energy
- can be dangerous if not handled carefully.

Electric cell

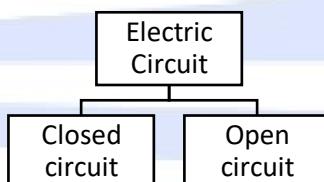
- a device which produces electricity capable to run appliances like torch, dock, camera, etc.
- it converts chemical energy into electrical energy.



Conductors: materials that allow an electric current to flow through them. e.g., gold, copper, etc.

Insulators: materials which do not conduct electricity. e.g., plastic, rubber, etc.

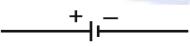
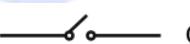
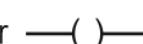
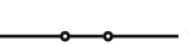
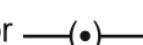
Electric circuits: The closed path in which an electric current can flow.



Closed circuit: When current is flowing through electric circuit

Open circuit: when current is not flowing through electric circuit.

Circuit components

• Cell	Source of current in electric current.	
• Battery	Combination of cell	
• Open switch	used to open electric circuit	 or 
• Closed switch	used to close electric circuit	 or 
• Connecting wires	connecting all components of circuits.	
• Electric bulb	bulb glows and gives light	

Safety Measures.

- Fuse
- Earthing
- Plastic covering or insulation
- Caution sign.