

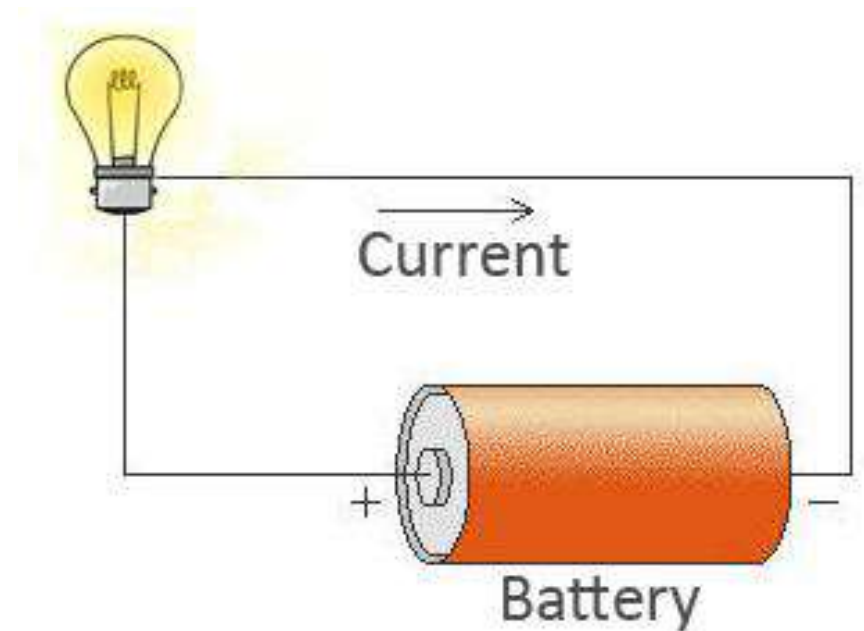
Circuits (Lesson A)

What is an electrical circuit?

Electrical circuit is a closed path in which an electric current can flow.

An electrical circuit consists of simple basic components:

1. Batteries.
2. Wires
3. Bulb /motor /buzzer.
4. Switches (optional)

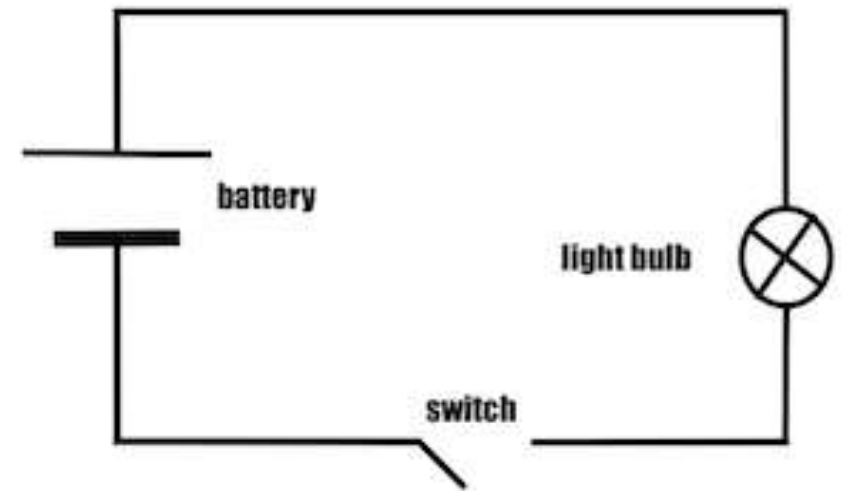




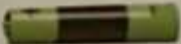
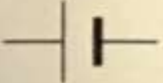
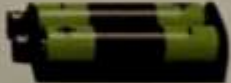
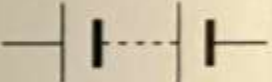





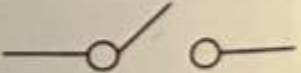
What is a circuit diagram?

A circuit diagram uses symbols to show how the components in a circuit are connected to one another.

It is a model that can help us understand the path of electricity in a circuit.

Simple Electric Circuit



	Component	Symbol
Wire		
<p>Cell</p> <p>The longer line is the positive end (+) and the shorter line is the negative end (-) of the cell.</p>		
Battery of cells		
Lamp		
Buzzer		
Open switch		
Closed switch	