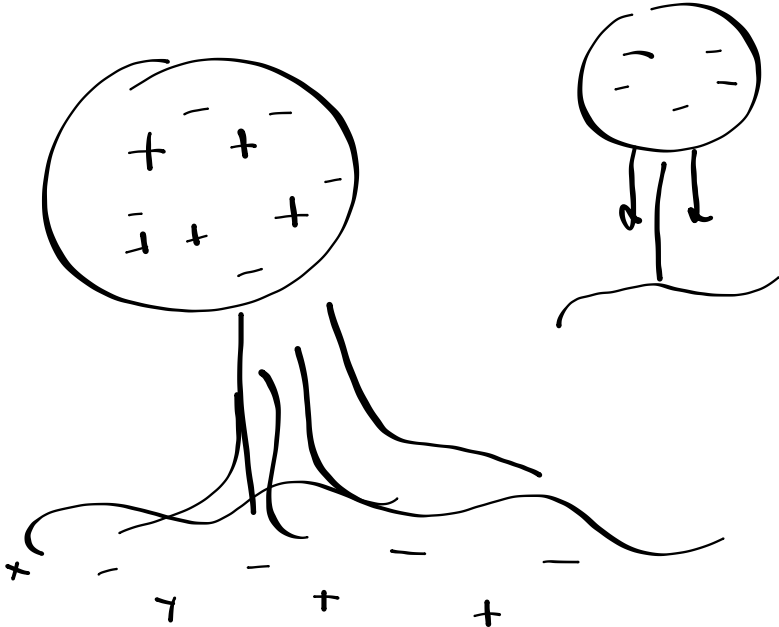


Homework



Electric Current

- The flow or movement of electric charges (positive and negative) from one place to another is called **electric current**.



- Electric current flows through a controlled path called an **electric circuit**. Electric circuits are used to convert electrical energy into the other forms of energy.



Ex. a light bulb

The Parts of an Electric Circuit

1) Source of Electrical

Energy: a way to produce electrical energy.

Ex. battery, cells

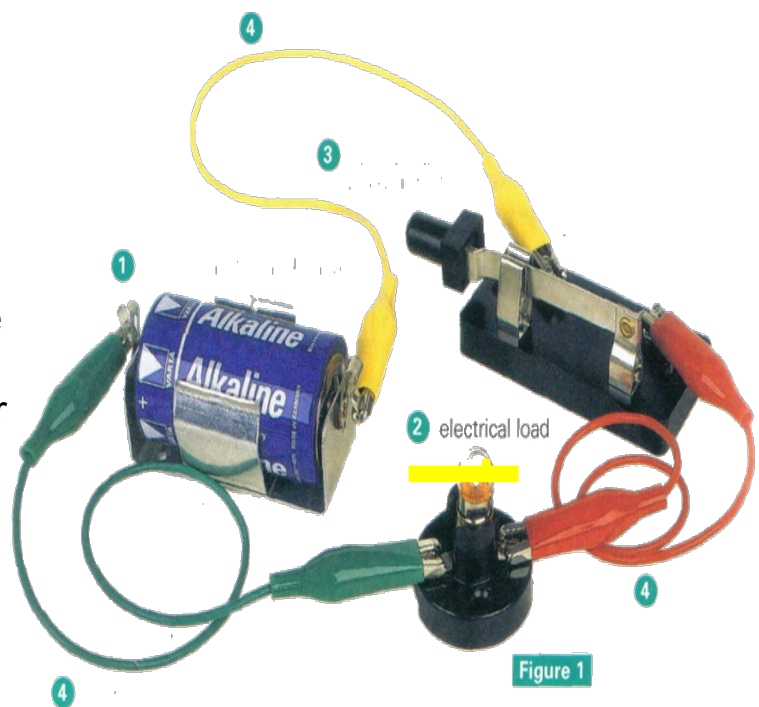
2) Electrical Load:

what converts electrical energy into whatever form we need. More simply, whatever we are running at the time. Ex. toaster

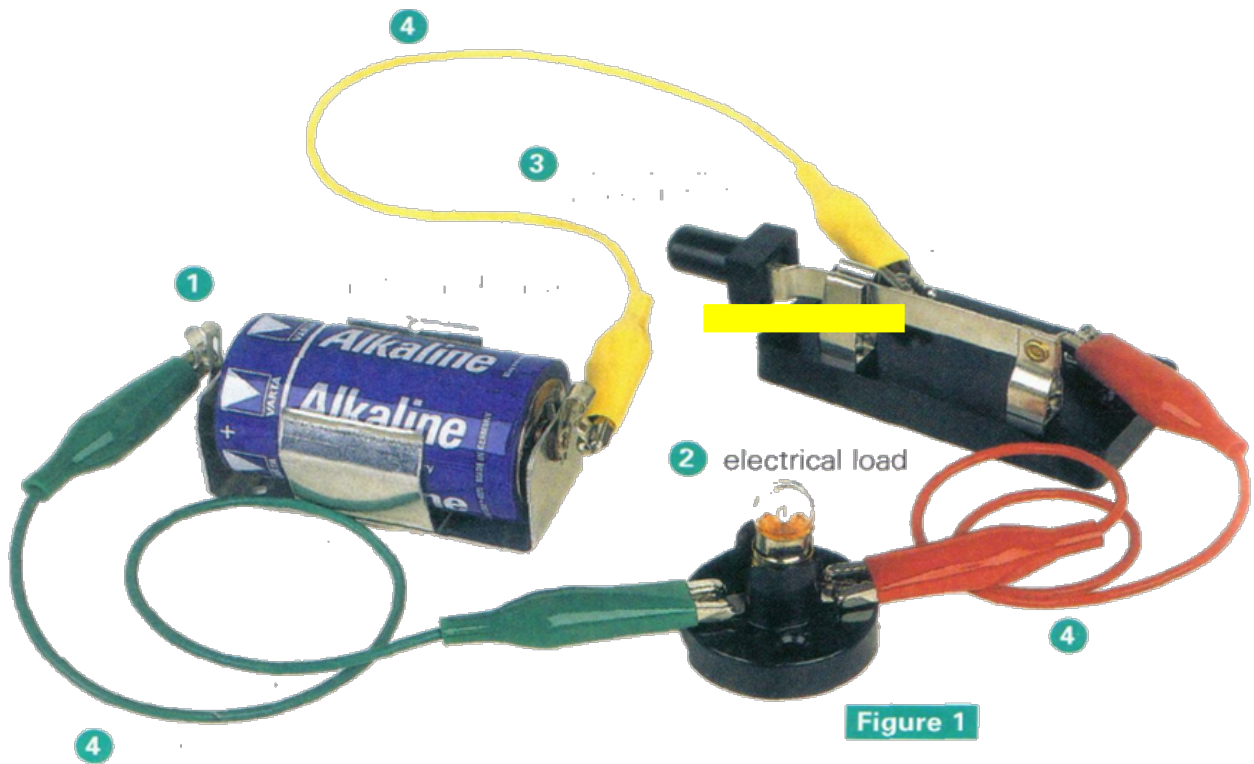
3) Electric Circuit Control

Device: controls the flow of electricity. Ex. light switch, thermostat

4) Connectors: the conducting wires (what the charges move through).

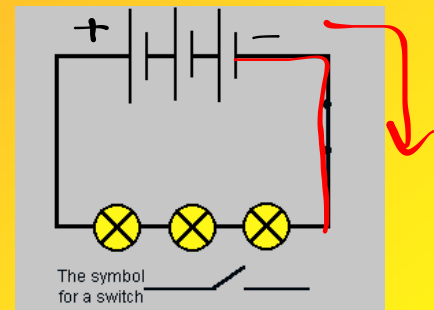


Each circuit has at least 4 parts.
Sketch from page 300 a complete circuit and label each part.

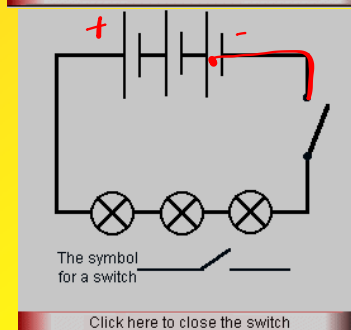


Control Devices Closed or Open Circuit

- A closed circuit is one in which electricity is flowing. Ex. "on"
In a closed circuit, electric current flows in a continuous loop from the negative to the positive terminal of the cell. Switch is closed.

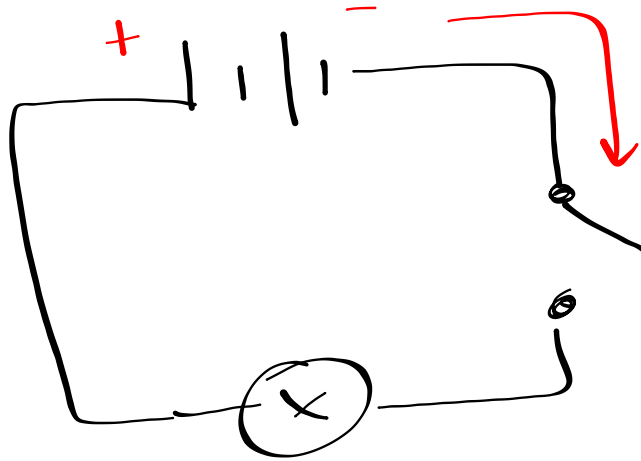


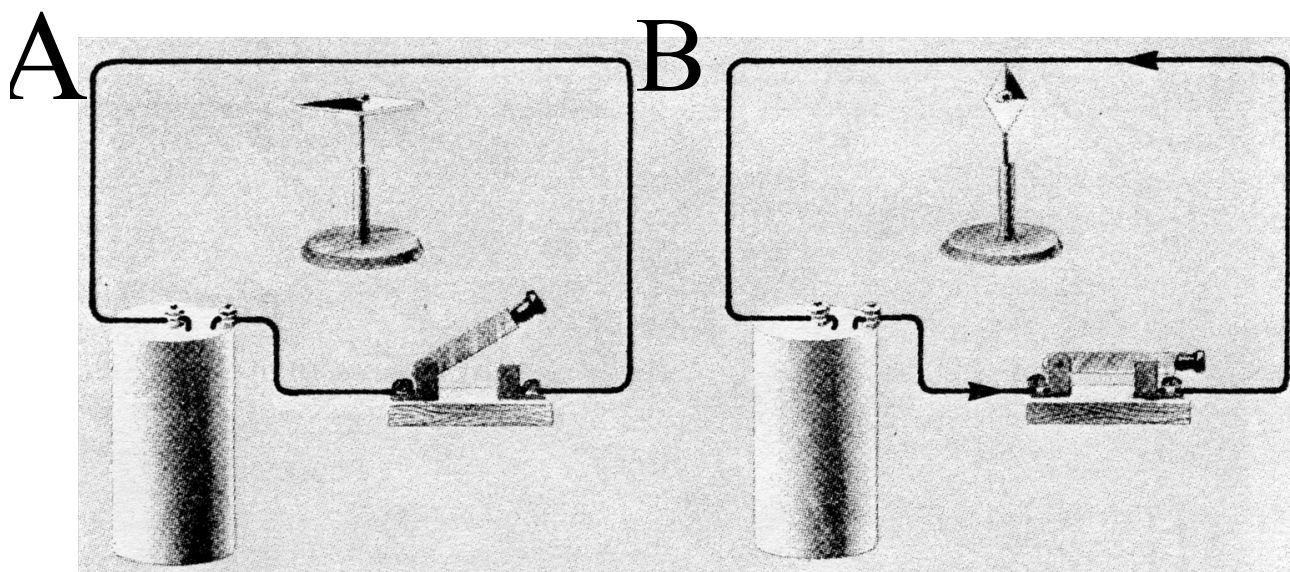
- An open circuit is one in which there is a break in the flow of electricity. Ex. "off". Switch is open.



Circuit







Which circuit is open?
Which circuit is closed?
How can you tell?

p.301 #1 - 5

Attachments

Chp 9 senteo quiz.notebook