Electric Current pg 300

- 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 we need. i.e. a light bulb has an electric circuit

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

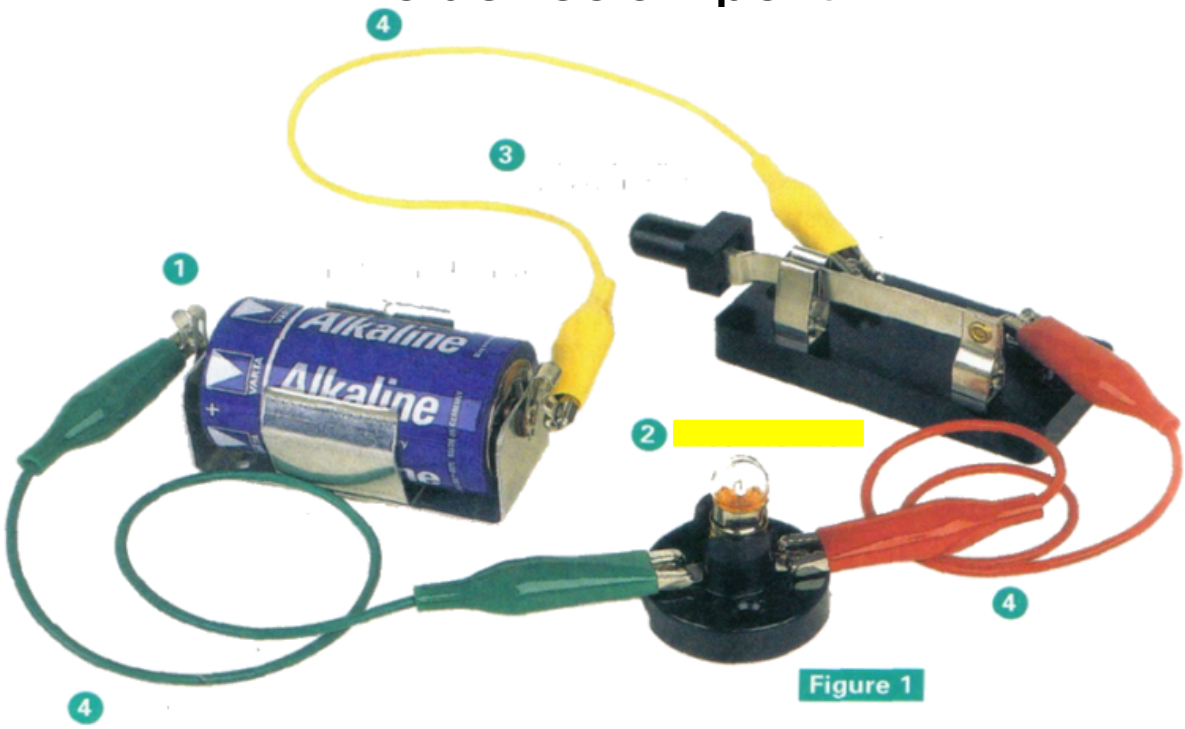


Figure 1

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)

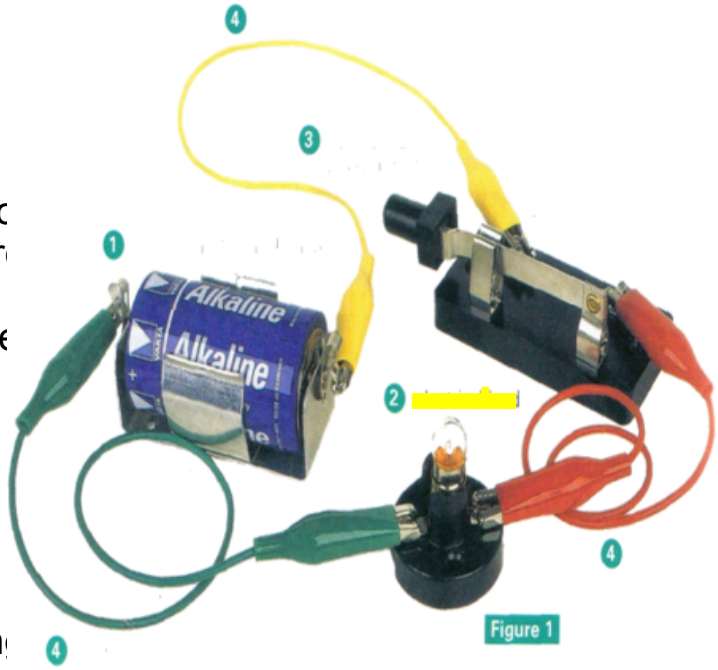
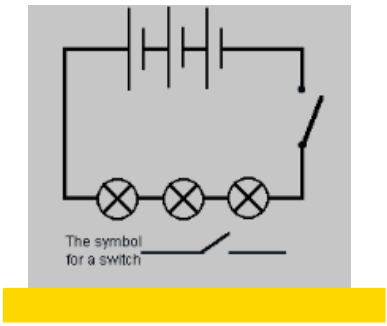


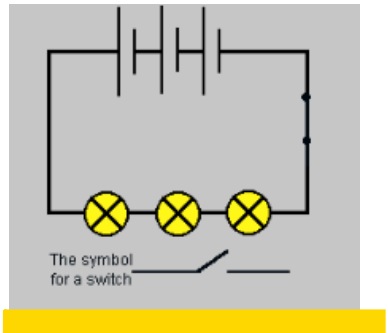
Figure 1

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.



Attachments

Chp 9 senteo quiz.notebook