

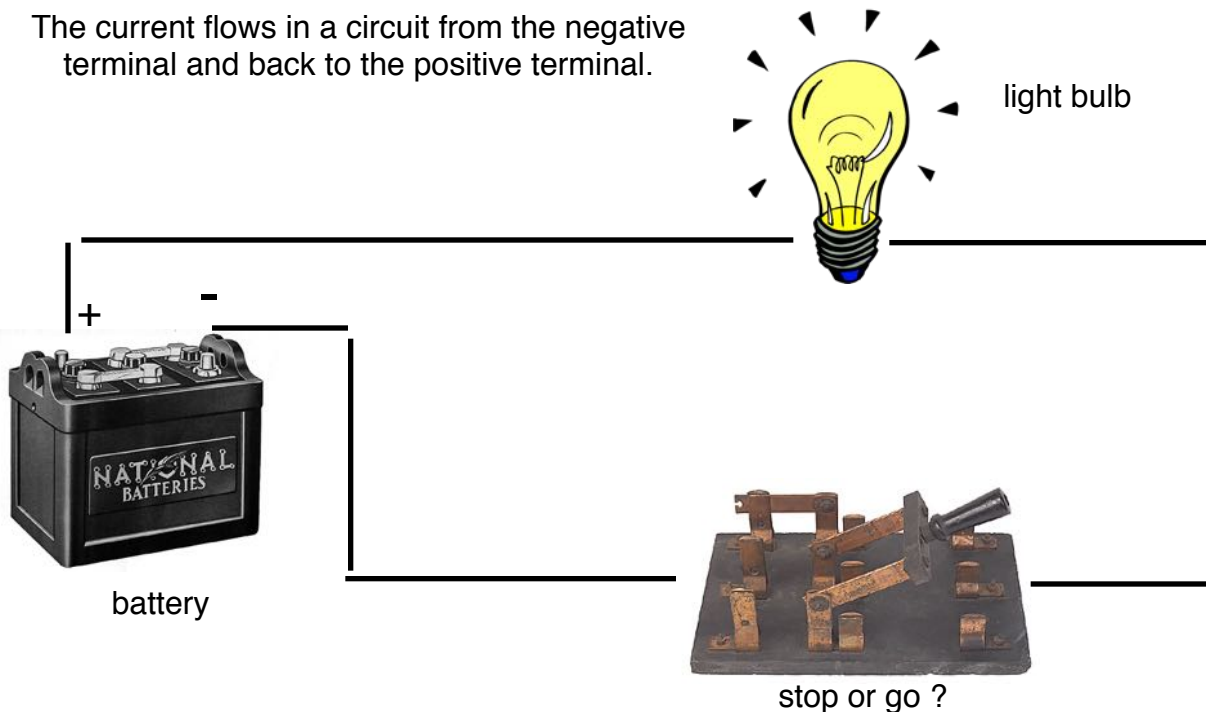
Name: _____

Circuits

To release electrical potential (power stored until it is released) and put it to work, you need a circuit. A circuit is a road or network of roads. This circuit will take the current to its place of work and back to where it came from. The word circuit means circle, which is basically the path the current will take.

Directions: Draw arrows to show the path the current will flow through the circuit. Then answer the questions.

The current flows in a circuit from the negative terminal and back to the positive terminal.



The switch acts like a traffic signal. When the switch is open, there can be no current flow because the road from the negative terminal to the positive terminal is broken. This is called an open circuit.

1. In which direction does the current flow? _____
2. Is the above circuit open or closed? _____
3. What is a circuit? _____
4. If there is a break in the circuit, will the current return to its source? _____