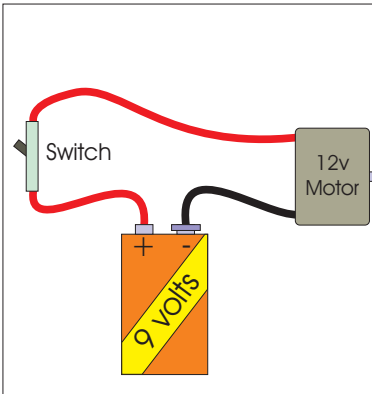
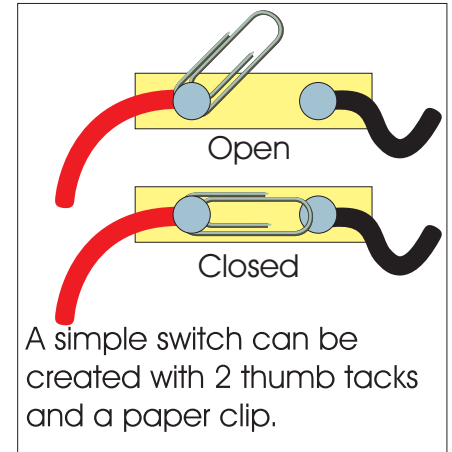


### Simple Electrical Circuits



An electrical circuit requires a power source (battery), conductors (wire), a switch and a device (motor). Power will move from positive to negative. In order for electricity to move from the battery to the motor it must return to the battery. To control your device a switch is required.

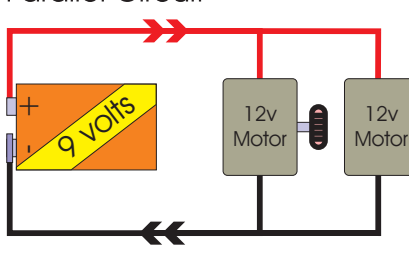


Open  
Closed

A simple switch can be created with 2 thumb tacks and a paper clip.

Circuits can be wired using different methods.

#### Parallel Circuit



A parallel circuit supplies electricity to more than one device at the same time. Each device can work independently of the other

A series circuit supplies electricity to more than one device. The devices use electricity one after an other. If one device fails, all the devices in the circuit fail.

#### Series Circuit

