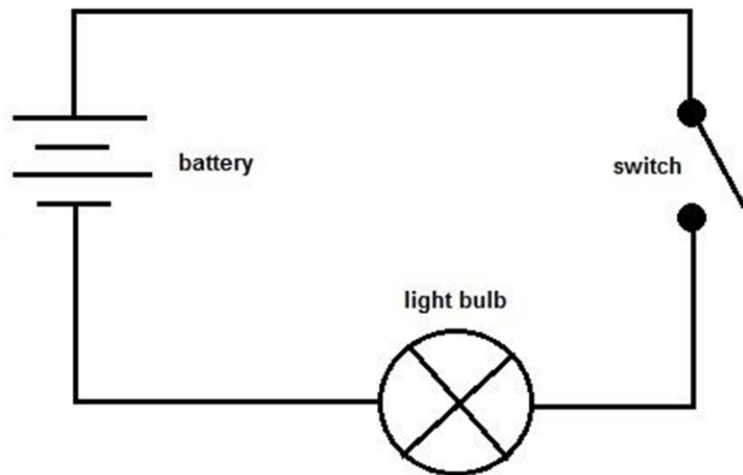


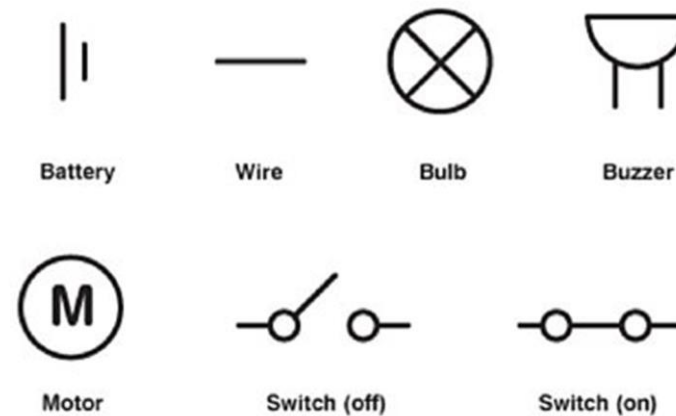
## Vocabulary

**Circuit:** A complete path that an electric current can flow around. **Symbol:** A visual picture that stands for something. **Circuit Diagram:** A visual representation of an electrical circuit. **Cell/Battery:** A device that stores energy as a chemical until it is needed. A cell is a single unit, a battery is a collection of cells. **Switch** An electrical component that can make or break an electrical circuit. **Voltage:** The force that makes electricity move through a wire. **Current:** A flow of electricity, measured in amps.

### A Simple Circuit Diagram



### Circuit Diagram Symbols



### Simple Series Circuits

- In order for electricity to flow, a circuit needs three things: A source of electricity; no gaps in the circuit and conductors.
- A series circuit has only one route for the current to take. If more bulbs or buzzers are added, the power has to be shared and therefore they will dimmer or quieter.
- If just one part of a series circuit breaks the flow of current stops.