Electrical Circuits

Dynamic Electricity

Dynamic Electricity

 All phenomena related to electrical charges in motion. (i.e. flow of charges in a circuit)

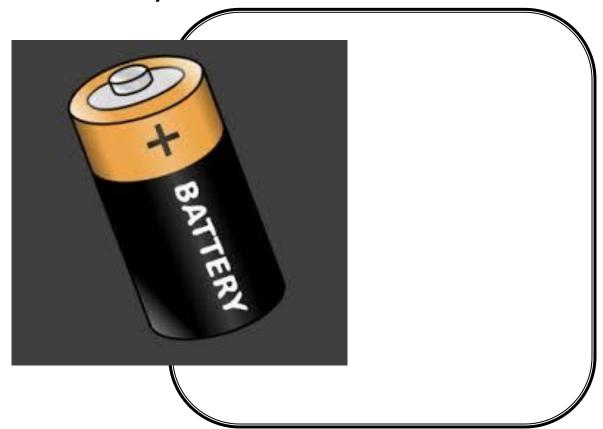
What is needed?

- Power supply (battery, outlet)
- Conductor of electric current
- Use for the electricity
 - light bulb, display, heater, etc.

Power Supply



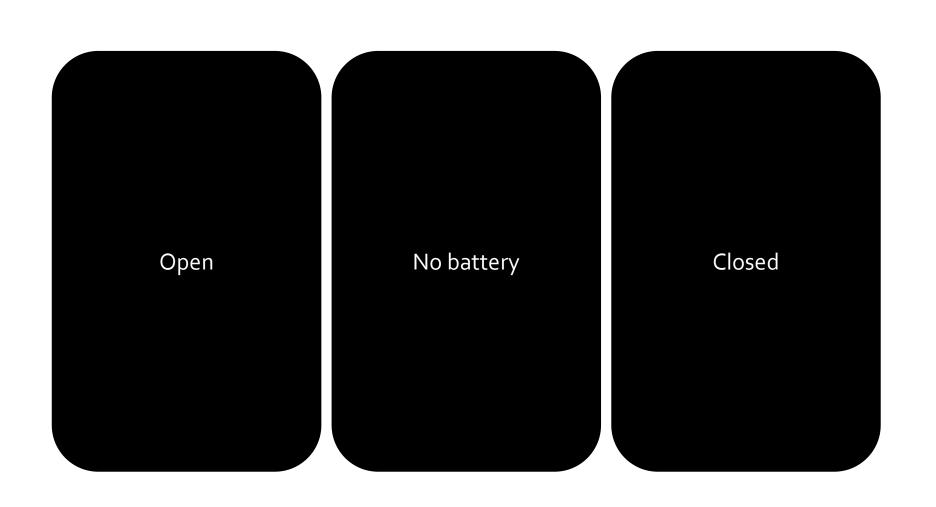
Battery



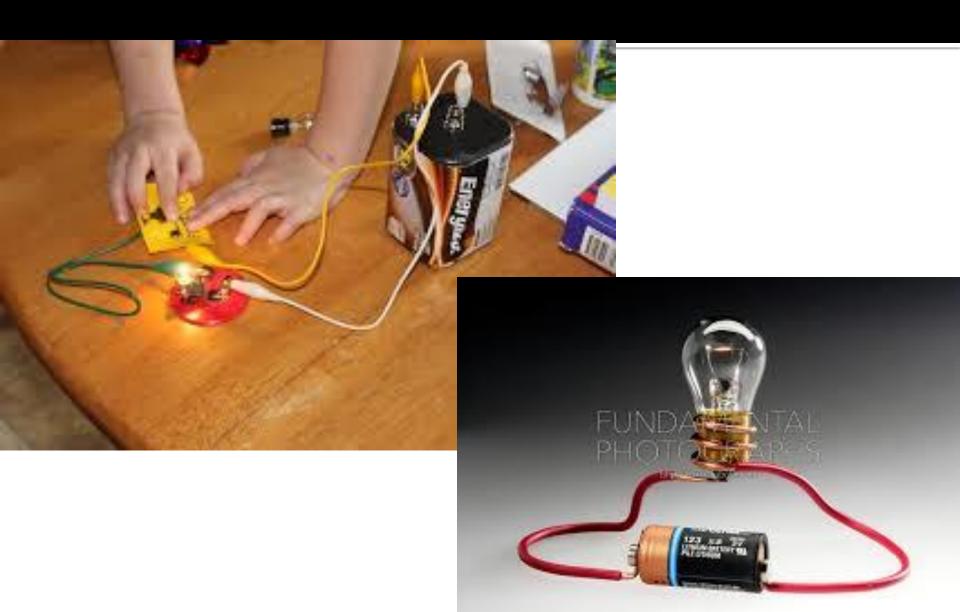
Conductors and Insulators

- Conductor: any component that can transmit an electric current
- E.g. ???
- Insulator: any component that prevents an electric current from flowing
- E.g. ???

Circuits



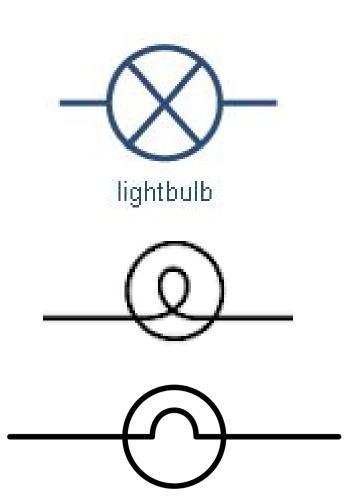
Circuit



BASIC Components and symbols

electrical wire





Circuit Diagrams

