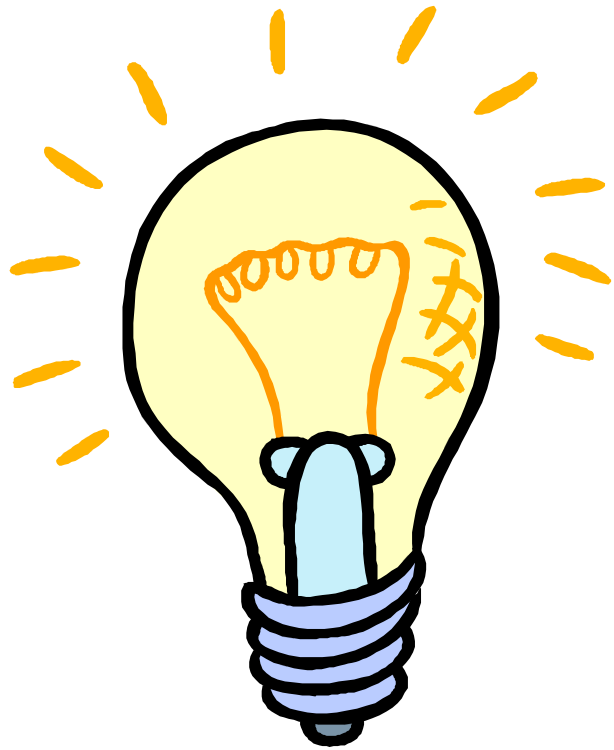
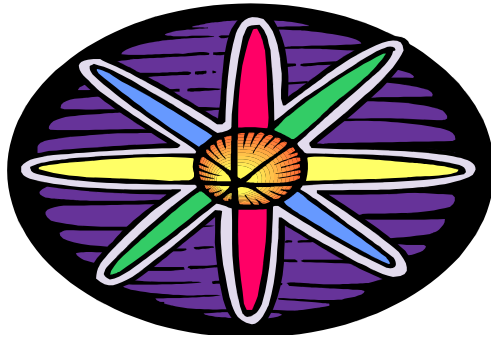


# *Electricity*



*4<sup>th</sup> Grade  
Science  
Vocabulary*



# Electricity

**Everything in the world is made up of *atoms*. Each atom has smaller parts in it. One of those parts is called *electrons*. Electrons can move from atom to atom. When an electron moves to a different atom, it causes another electron to have to move. When electrons move quickly from one atom to another is it called *Electricity!***

**Inside an atom,  
electrons have a  
*negative charge*  
and protons have  
a *positive charge*.  
These particles  
*attract* each  
other.**



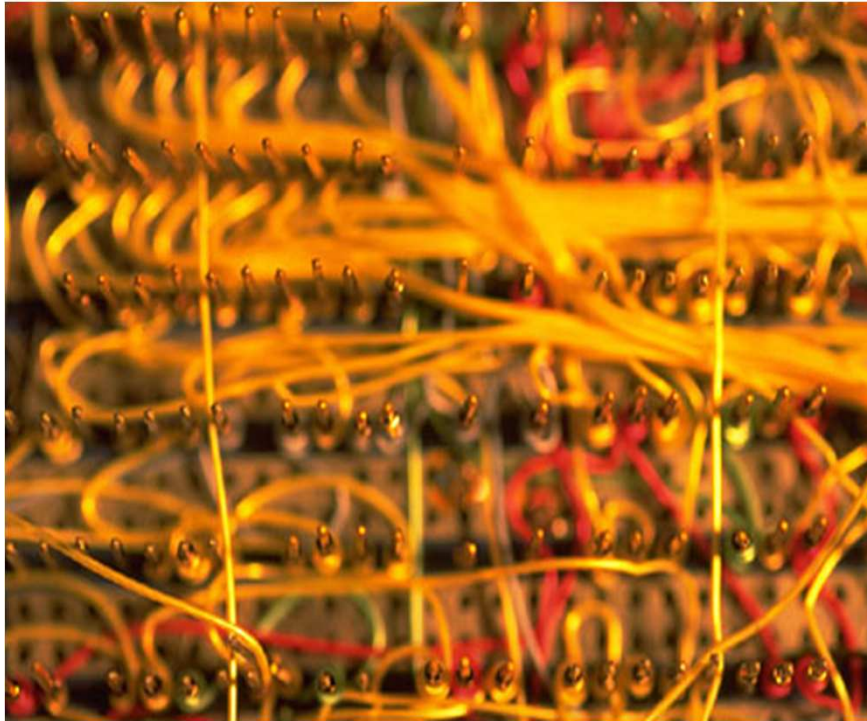
**A *charge* is a measure of  
the extra positive or  
negative particles  
that an object has.**

# *Static Electricity*

***Static electricity* is the charge that stays on an object.**

**Unlike charges *attract* each other, and like charges *repel* each other.**





**The steady flow of electricity is called an *electric current*. A current will move along a wire or a path called a *circuit*.**

***Circuit* means to “go around.”**

# Circuits

- ***A series circuit*** is a circuit that has only *one path* for the current.
- ***A parallel circuit*** has *more than one path* for current to travel.



- **Lights in our homes are wired in *parallel circuits.***

# **Conductor**

- **A conductor is a material that current can pass through easily, like metals.**

# **Resistor**

- **A resistor is a material that resists, but doesn't stop the flow of current.**

# **Insulator**

- **An insulator is a material that current cannot pass through easily, like plastic.**

# Electric Cell

- ***An electric cell*** supplies energy to move charges through a circuit, like a battery.

