

Key Science Vocabulary ~ #12

- **Ampere** ~ a flow of electric charge, or electric current, equal to one coulomb per second.
- **Average power** ~ half the maximum power associated with an alternating current.
- **Capacitor** ~ an electric device used to store charge that is made up of two conductors separated by an insulator.
- **Charging by conduction** ~ the process of charging a neutral object by touching it with a charged object.
- **Charging by induction** ~ the process of charging an object without touching it.
- **Conductor** ~ a material, such as copper, through which a charge will move easily.
- **Coulomb** ~ the SI unit of charge.
- **Electric circuit** ~ a closed loop or pathway that allows electric charges to flow.
- **Electromagnet** ~ a magnet created when current flows through a wire.
- **Insulator** ~ a material, such as glass, through which a charge will not move easily.
- **Magnetic flux** ~ the number of magnetic field lines that pass through a surface.
- **Parallel circuit** ~ electric circuit in which there are several current paths.
- **Resistor** ~ a device used to control current in circuits.
- **Series circuit** ~ electric circuit in which there is only one current path.
- **Volt** ~ equal to one joule per coulomb.