

# Vocabulary

## Vocabulary

*Study the vocabulary words and definitions below.*

- alternating current** ..... electrical current that flows in one direction, then in the other direction; changes direction many times every second; abbreviated *AC*
- ammeter** ..... a device used to measure amperes
- amperes** ..... the number of electrons that are moving past a certain point in a circuit within a given time; the rate of flow; abbreviated as *amp*
- armature** ..... the coil inside the generator
- battery** ..... a group of two or more electric cells used to create or store electricity
- cell** ..... a device that uses chemical reactions to store and produce electricity
- circuit** ..... the path a current follows through a conductor
- closed circuit** ..... a complete path or circuit which allows electricity to move along it

# Vocabulary

**conductor** ..... a material that allows electricity to pass through it

**current** ..... the flow of electrons along a path

**direct current** ..... electrical current that flows in only one direction; abbreviated *DC*

**electricity** ..... a form of energy in which electrons are flowing

**electrocute** ..... to kill by passing electric current through a body

**electromagnetic induction** ..... producing a current by moving a coil of wire across a magnetic field

**electromotive force** ..... the force needed to make electrons move; abbreviated *EMF*

**generator** ..... a machine that changes mechanical energy into electricity

**insulator** ..... a material that will not allow electricity to pass through it

**ohm** ..... a unit that measures the amount of resistance to electric current

# Vocabulary

**open circuit**..... an incomplete path or circuit that does not permit the flow of electricity

**parallel circuit**..... a circuit that provides more than one path for electricity to follow

**resistance** ..... the force that slows down electron flow

**series circuit** ..... a circuit that has only one path for electricity to follow

**static electricity** ..... the form of electricity caused by a charged (+) or (-) particle; it does not move in a path

**volt** ..... unit for measuring electromotive force