

Electricity Energy Study Guide

electricity	the result of electrical charges
neutral	matter that has no electrical charge
static electricity	build up of electrical charges on an object
discharge	fast movement of electrical charge
electric current	a flow of electrical charges
circuits	the path along which electric current flows
closed circuit	a complete, unbroken circuit
open circuit	a circuit with gaps
switch	turns current electricity on and off
series circuit	a single path for electric current to flow
parallel circuit	more than one path for electric current to flow
resistance	slows electric current
attract	forces that pull toward one another
repel	forces that push one another away
magnetic poles	opposite ends (N & S) of a magnet opposite ends attract, like ends repel
magnetic fields	the area of magnetic forces around a magnet
compass	a tool that uses Earth's magnetic field to show direction A compass needle always points north
electromagnet	a coil of wire wrapped around a metal core
motor	a device that changes energy into motion
technology	the science of making and using things
generator	changes mechanical energy into electrical energy
transistor	a switch that controls the flow of electrons
alternating current	flows in one direction, then flows in the opposite direction (AC) - [most wall outlets]
direct current	flows in only one direction (DC) [a battery]
voltage	the strength of a power source
transformer	changes the voltage of electric current