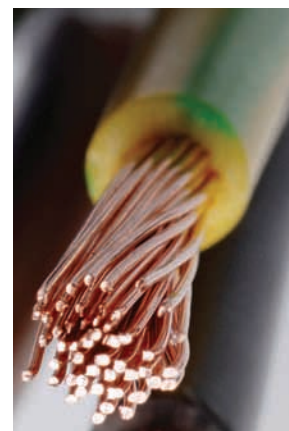


# Electricity and Magnetism



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# Glossary

**atom** (AT-uhm) a tiny building block of matter (4)

**circuit** (SUR-kit) a path for current electricity (8)

**conductor** (kuhn-DUHK-tur) a material through which current electricity passes easily (7)

**current electricity** (KUR-uhnt i-lek-TRIS-i-tee) the steady flow of electric charge; electric current (7)

**electric charge** (i-LEK-trik CHAHRJ) a property of matter; charge can be positive or negative (4)

**electricity** (i-lek-TRIS-i-tee) a form of energy that comes from the movement of electrons; electric energy (4)

**electric motor** (i-LEK-trik MOH-tur) a machine that changes electric energy to motion energy (22)

**electromagnet** (i-lek-troh-MAG-nit) a temporary magnet made when electric current flows through a wire coil wrapped around an iron or steel core (13)

**fossil fuel** (FOS-uhl FYOO-uhl) a fuel that formed over millions of years from the buried remains of plants and animals; coal, oil, and natural gas (17)

**generator** (JEN-ur-ay-tur) a machine that uses motion to make electric current (16)

**insulator** (IN-suh-lay-tur) a material through which current electricity does not pass easily (7)

**magnet** (MAG-nit) an object that attracts the metals iron, cobalt, and nickel (12)

**magnetic field** (mag-NET-ik FEELD) the area around a magnet where the force of the magnet acts (12)

**magnetism** (MAG-nuh-tiz-uhm) the force of a magnet that attracts the metals iron, cobalt, and nickel (12)

**nonrenewable resource** (non-ri-NOO-uh-buhl REE-sors) an energy resource that cannot be replaced easily once it is used up (17)

**parallel circuit** (PAIR-uh-lel SUR-kit) a circuit that has more than one path for electric current to follow (9)

**renewable resource** (ri-NOO-uh-buhl REE-sors) an energy resource that can be replaced easily or cannot be used up (18)

**series circuit** (SEER-eez SUR-kit) a circuit that has only one path for electric current to follow (9)

**static discharge** (STAT-ik DIS-chahrj) the loss of electric charge (6)

**static electricity** (STAT-ik i-lek-TRIS-i-tee) the buildup of electric charge on an object (5)