

# Vocabulary

*Use the vocabulary words and definitions below as a reference for this unit.*

**atom** ..... the smallest unit of an element that is still that element; the basic building block of matter

**atomic energy** ..... energy that is stored in the nucleus of every atom; sometimes called nuclear energy

**chemical energy** ..... the energy that is stored in chemicals

**electrical energy** ..... the energy of moving electrons; the energy of moving charged particles

**electron** ..... the negatively charged particle of an atom; the electron moves around the center of the atom (nucleus)

**energy** ..... the ability to do work or cause change

**energy conversion** ..... when energy changes from one form to another

**gas** ..... the form of matter that has no definite shape or volume

**heat energy** ..... the energy of moving molecules; the energy responsible for causing changes in temperature

# Vocabulary

**law of conservation of energy** .... the law that energy cannot be created or destroyed, only changed from one form to another during a physical or chemical change

**light energy** ..... the energy of the electromagnetic spectrum in the range of light

**liquid** ..... the form of matter that has a definite volume but does not have a definite shape

**magnet** ..... a substance that attracts or pulls on other substances, especially those made of or including iron

**matter** ..... anything that has both mass and volume

**mechanical energy** ..... the energy of moving things

**molecule** ..... two or more atoms that have a bond of shared electrons

**nucleus** ..... the center region of an atom around which the electron(s) move

**solid** ..... the form of matter that has a definite shape and volume

**sound energy** ..... the energy of vibrating materials as detected by human ears