

# Quick Vocabulary

## Lesson 1

**atom** small particle that is the building block of matter

**chemical change** a change in matter in which the substances that make up the matter change into other substances with different chemical and physical properties

**compound** substance made of two or more elements that are chemically joined in a specific combination

**element** substance made of only one kind of atom

**heterogeneous mixture** a mixture in which the substances are not evenly mixed

**homogeneous mixture** a mixture in which two or more substances are evenly mixed, but not bonded together

**individual** single; separate

**matter** anything that has mass and takes up space

**mixture** matter that can vary in composition

**molecule** two or more atoms that are held together by chemical bonds and act as a unit

**substance** matter with a composition that is always the same

## Lesson 2

**atomic number** the number of protons in the nucleus of an atom of an element

**charge** electrical property of some objects that determines whether the object is positive, negative, or neutral

**electron** negatively charged particle that occupies the space in an atom outside the nucleus

**electron cloud** region surrounding an atom's nucleus where one or more electrons are most likely to be found

**ion** atom that has a charge because it has gained or lost electrons

**isotope** one of two or more atoms of an element having the same number of protons, but a different number of neutrons

**neutron** uncharged particle in the nucleus of an atom

**nucleus** region at the center of an atom that contains most of the mass of the atom

**proton** positively charged particle in the nucleus of an atom