

Vocabulary

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

chemical properties the qualities of matter that indicate whether it can change from one substance to another

chemist a person who studies chemical operations

chemistry the science that investigates how matter is made and how it changes

density the mass per certain volume of a material

forms kinds or types

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

gravity the force of attraction between all objects in the universe

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

mass the amount of matter in a substance

Vocabulary

- matter** anything that has both mass and volume
- phase** one of the states of matter of a substance (H₂O occurs in three phases: ice, liquid water, and water vapor.)
- physical properties** the qualities of matter that can be observed without changing the matter (color, shape, size, density)
- plasma** the form of matter in stars; this is usually gaseous matter under extreme heat and pressure
- reacts** changes in response to something
- solid** the form of matter that has a definite shape and volume
- state** the condition of matter
- volume** the amount of space that matter takes up
- weight** the force of gravity on an object