

Vocabulary

Study the **scientific method** vocabulary words and definitions below.

- conclusion** an explanation of a problem based on observations and collected data
- control group** the part of the experiment without a variable factor; allows the results of experiment to be compared
- controlled experiment** an experiment in which all the factors are the same except for the one being tested
- data** scientific facts that are collected, usually in the form of numbers
- experiment** a way to test a hypothesis or try out an answer to a question
- experimental group** part of the experiment that contains the variable factor
- fact** an idea that has been proven by experiments
- hypothesis** an idea or statement that attempts to explain the relationship of observed factors; an educated guess
- laboratory** a place equipped and used for experimental study, research, analysis, testing, or preparation in any branch of science

Vocabulary

observation noticing something, using one's senses
(sight, smell, touch, hearing, or taste)

scientific method the steps scientists use to solve problems

theory a hypothesis that has withstood the test
of time

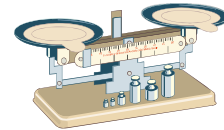
variable factor the factor being tested in an experiment

Vocabulary

Study the **scientific apparatus** vocabulary words and definitions below.

apparatus the equipment or tools needed for a specific task, as in biology or chemistry

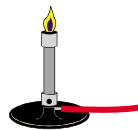
balance used to measure the mass of an object



beaker a glass container which is used in scientific experiments



Bunsen burner gas burner used to heat chemicals or apparatus

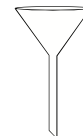


compass used to determine direction

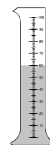


eyedropper a glass dropper used to dispense small amounts of liquids

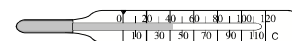
funnel used to pour liquids into containers



graduated cylinder used to measure the volume of a liquid

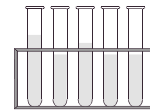


thermometer instrument used to measure temperature



Vocabulary

test tube multiple-purpose glass
container that can be heated



tongs a tool with two connected curved arms,
used to grasp and lift hot apparatus or
chemicals