

VOCABULARY

accuracy	an indication of how close a measurement is to the correct result
applied research	research that results in a product that can be sold for profit
basic research	research that expands knowledge in a particular area
chemistry	the study of the structure, properties, and interactions of materials and the changes they undergo
control	a quantity in an experiment that remains unchanged or constant
density	the mass of a substance per unit of volume
dependent variable	the experimental factor that changes in response to a change in the independent variable
empirical evidence	observational evidence
gradation	scale markings that denote equal units of measure
gram	a metric unit of mass equal to one thousandth of a kilogram
hypothesis	a proposed explanation for a scientific problem that itself can be tested by experimentation
kilogram	standard unit of mass in the metric system
independent variable	the experimental factor that is changed by the scientist
liter	standard unit for liquid volume in the metric system
mass	the amount of matter in an object
matter	anything that has mass and occupies space

meniscus	the curved top surface of a liquid column
meter	standard unit of length in the metric system
physics	the study of matter and energy and how they interact
precision	the degree to which a measurement can be replicated
science	the systematic study and analysis of facts
scientific method	a process to test a proposed solution to a problem
tare	to adjust the balance scale to read zero
volume	space occupied, measured in cubic units
weight	the force of gravity acting on the mass of an object