

Matter and Measuring Matter Study guide

term	definition
matter	anything that has mass and takes up space
properties of matter	color, size, shape
mass	the amount of matter making up an object
grams (g) or kilograms (kg)	unit of measurement for mass
balance scale	tool used to measure mass
Volume	how much space an object takes up (length x width x height)
graduated cylinder or ruler	tool used to measure volume
cubic centimeters (cc) milliliters (ml)	unit of measurement for volume
Volume of irregular shaped objects	measure a volume of water, submerge the object, and determine the displaced water.
buoyancy	the upward force of a liquid or gas on an object ability to float
solids	have definite shape and takes up definite amount of space. Tightly packed particles
liquids	no definite shape but do takes up definite amount of space. Loosely packed particles
gases	no definite shape nor definite space. Loosely packed particles that float around freely
length	distance from end to end (Standard Unit - inch Metric Unit - centimeter)
width	distance across (Standard Unit - inch Metric Unit - centimeter)
area	number of units covered (length X width
density	the amount of matter in a given space mass/volume reported in g/cc
weight	the amount of gravity between an object and planet
newton	the metric unit of weight