

Classifying Matter Study Guide

term	
elements	a substance that is made up of only one type of matter the building blocks of matter
atoms	the smallest part of an element
metals	shiny elements that can be bent or hammered, and conduct heat & electricity
metalloids	have some properties of metals, but not all
nonmetals	have no properties of metals - usually gases
periodic table	shows how the elements are organized by their properties
atomic number	related to the mass of each element
columns & rows	show how elements with common characteristics are grouped
Chemical symbols	Letters that stand for each element
H	symbol for Hydrogen
O	symbol for Oxygen
C	symbol for Carbon
Au, Ag	symbols for Gold, Silver
Fe, Co, Ni	symbol for Iron, Cobalt, Nickel the magnetic elements

Scientists use the periodic table by grouping
Similar elements near each other as to make predictions about how an element
will behave