

Counting Atoms

Name _____

Science 8 -- _____ Period, _____

Date _____

The formula for a compound indicates the elements that make up the compound and the number of atoms of each element present in the compound. These numbers of atoms are indicated by the use of small numbers called **subscripts**.

In the following examples, list each element symbol, element name, and number of atoms of each element present in the compound. The first example has been done for you.

Name	Formula	Atoms in Formula
Limestone	CaCO_3	Ca = calcium, 1 C = carbon, 1 O = oxygen, 3
Aspirin	$\text{C}_9\text{H}_8\text{O}_4$	
Pyrite	FeS_2	
Sucrose (Sugar)	$\text{C}_{12}\text{H}_{22}\text{O}_{12}$	
Heptane	C_7H_{14}	
Sulfuric acid (used in batteries)	H_2SO_4	