

Counting Atoms Pt. 2

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**. Sometimes groups of atoms act as a single atom.

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
Heptane	$3C_5H_{12}$	C = Carbon, 15 H = Hydrogen, 36
Asbestos	$2H_4Mg_3Si_2O_9$	
Dichlorodiphenyl- trichloroethane (DDT)	$4C_{14}H_9Cl_5$	
Silicon dioxide (Sand)	$5SiO_2$	
Iron oxide (rust)	$6Fe_2O_3$	