

Counting the Number of Atoms in a Molecule Activity

Count each of the atoms, find the total number, and number for each element.

Subscript – the number telling you how many of each atom there are (H_2O)₂

Coefficient - The large number in front tells you how many of that molecule (2NaOH)

Substance	Total No. of Atoms	Element 1	Element 2	Element 3	Element 4
CaCO_3		Ca=	C=	O=	-
2CaSO_4		Ca=	S=	O=	-
$3\text{Ca}(\text{NO}_3)_2$		Ca=	N=	O=	-
$2\text{Ca}(\text{H}_2\text{PO}_4)_2$		Ca=	H=	P=	O=
$2\text{Mg}(\text{OH})_2$		Mg=	O=	H=	-
MgCl_2		Mg=	Cl=	-	-
$2\text{Na}_2\text{CO}_3$		Na=	C=	O=	-
Na_3PO_4		Na=	P=	O=	-
$2\text{K}_2\text{Cr}_2\text{O}_7$		K=	Cr=	O=	-
$\text{C}_6\text{H}_7\text{O}_2$		C=	H=	O=	-
$\text{C}_{12}\text{H}_{22}\text{O}_{11}$		C=	H=	O=	-
2SiO_2		Si=	O=	-	-
2CH_4		C=	H=	-	-
$\text{C}_6\text{H}_{12}\text{O}_6$		C=	H=	O=	-
$2\text{Ba}(\text{OH})_2$		Ba=	H=	O=	-
CH_3COOH		C=	H=	O=	-
HClO_4		H=	Cl=	O=	-
$2\text{Al}_2(\text{SO}_3)_3$		Al=	S=	O=	-
N_2O_5		N=	O=	-	-
NaHCO_3		Na=	H=	C=	O=