

Name Example

Counting Atoms

Directions: Draw a circle around the coefficients and put a triangle around the subscripts.



Directions: Name each of the elements in the following problems. Also tell how many atoms of each element are in the molecules or group of atoms.



Bromine: 1



Chlorine: 2



Hydrogen: 2

Oxygen: 1



Hydrogen: 3



Carbon: 1

Oxygen: 2



Calcium: 1

Oxygen: 1



Carbon: 1

Chlorine: 4



Aluminum: 1

Fluorine: 3



Hydrogen: 2

Sulfur: 1

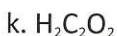
Oxygen: 4



Hydrogen: 1

Nitrogen: 1

Oxygen: 3



Hydrogen: 2

Carbon: 2

Oxygen: 2



Hydrogen: 4

Chlorine: 4



Hydrogen: $(3 \times 3) = 9$

Boron: $(1 \times 3) = 3$

Oxygen: $(3 \times 3) = 9$



Hydrogen: $(6 + 42) = 48$

Carbon: $(6 \times 6) = 36$

Oxygen: $(7 \times 6) = 42$



Nitrogen: 2

Hydrogen: 8

Sulfur: 1

Oxygen: 4



Aluminum: 1

Nitrogen: $(1 \times 3) = 3$

Oxygen: $(3 \times 3) = 9$



Aluminum: 2

Oxygen: $(3 \times 2) = 6$

Hydrogen: $(3 \times 2) = 6$



Lead: $(1 \times 3) = 3$

Nitrogen: $(2 \times 3) = 6$

Oxygen: $(3 \times 2) = 6 \times 3 = 18$