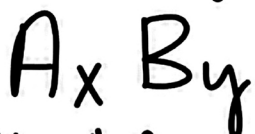


Polyatomic Ion Molar Mass

Binary (2 atoms)



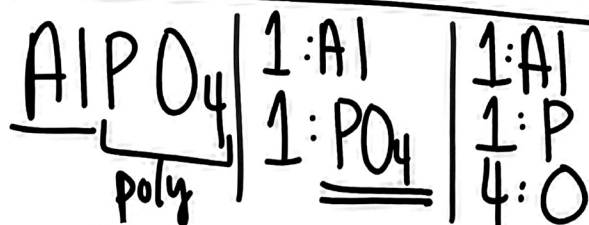
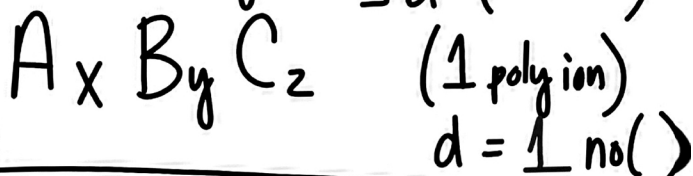
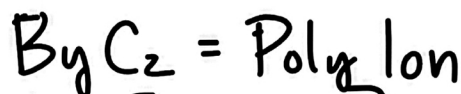
$$x = \# A \quad y = \# B$$

$$\text{no} \# = 1 \\ (\text{X or Y})$$

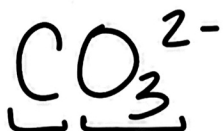
Counting Atoms



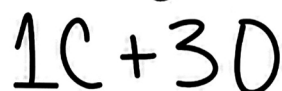
Atom + Poly. Ion



Polyatomic Ion Examples



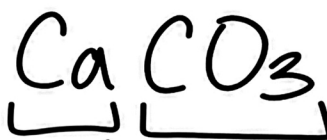
Molar Mass



$$C: 1 \times 12.01 \text{ g/mol}$$

$$O: 3 \times 16.00 \text{ g/mol}$$

$$CO_3^{2-} = \underline{60.01 \text{ g/mol}}$$

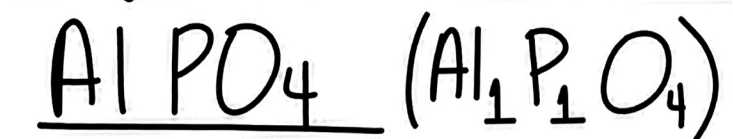


metal poly. ion

$$MM_{Ca} + MM_{CO_3^{2-}}$$

$$40.08 \text{ g/mol} + 60.01 \text{ g/mol} \\ = \underline{100.09 \text{ g/mol}}$$

Polyatomic Ion Molar Mass

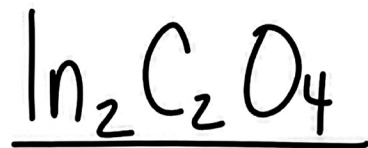


Al: 1 x 26.98 g/mol

P: 1 x 30.97 g/mol

O: 4 x 16.00 g/mol

AlPO₄ = 121.95 g/mol



In: 2 x 114.82 g/mol

C: 2 x 12.01 g/mol

O: 4 x 16.00 g/mol

In₂C₂O₄ = 317.66 g/mol