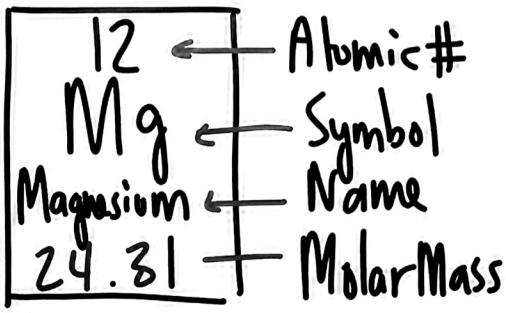
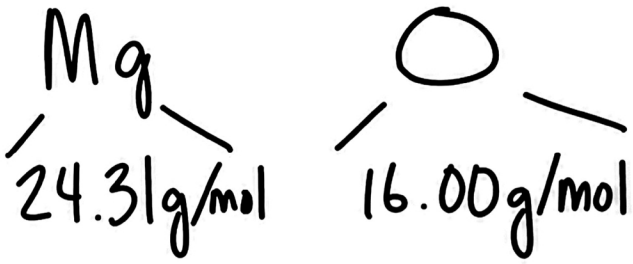
Molar Mass

Single Element

use # for mass on periodic table



Molar Mass is additive



$MgO = 24.31\ g/mol + 16.00\ g/mol$

$= \underline{40.31\ g/mol}$

Molar Mass w/ subscripts

Binary A_xB_y

Molar Mass Eqn

$MM = X \cdot A + y \cdot B$

A and B are the Molar Mass
X and y are the subscripts

Ex: $AlCl_3$ $[Al_1Cl_3]$

Al: 26.98 g/mol Cl: 35.45 g/mol

$MM_{AlCl_3} = \underbrace{1 \cdot 26.98\ g/mol}_{Al} + \underbrace{3 \cdot 35.45\ g/mol}_{Cl}$

$= \underline{133.33\ g/mol}$