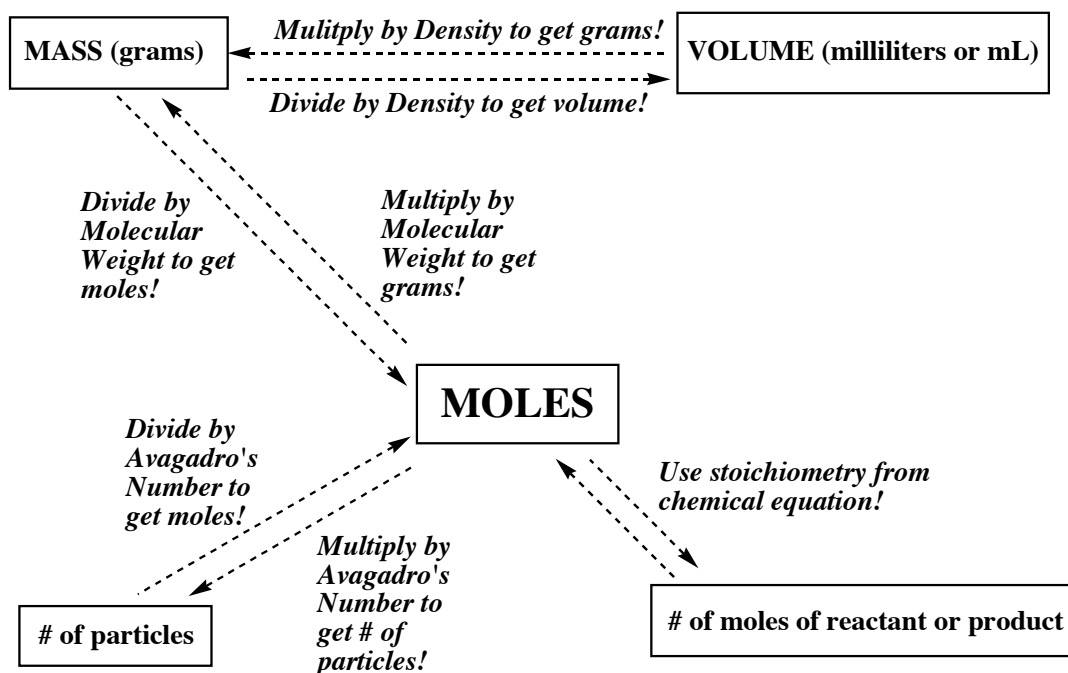


The Mole Highway

Your roadmap to help get from quantity to quantity!

How to use this:

1. Find your starting place
2. Find your stopping place
3. Follow the roadmap!



Useful Conversion Factors:

Molecular Weight (MW in grams/mol)

Molecular weight (also called formula weight and molar mass) - the weights of all atoms in a molecule. Read the values off the periodic chart and add them together! (You can find this every time!)

Density (in grams/mL)

mass per volume - that is the amount of grams that will displace 1 mL of water. Water is 1 g/mL - Any other densities will have to be given to you in the book!

Avagadro's Number: 6.022×10^{23} particles in 1 mol

Chemical Equation: *You need this to be able to convert moles of reactant to moles of product! Always make sure your chemical equation is balanced!*