

Particles (m...

Use Avagadro's Number to convert between number of particles and number of moles.

Particles (molecule or atom)

6.02×10^{23} particle/mol

22.4 mol/L at STP

ideal gas

ideal gas

If you are not at STP, then use $PV=nRT$



THE MOLE (mol)

molarity/concentration

Use the Mol/L conversion to get from concentration of a solution to the number of moles. Make sure the units end up the way you want them

mol/L

molarity/concentration

THE MOLE...

Okay, so it's really a beaver. Best I could do.

grams/mol

molar mass

molar mass

Use the molar mass from the periodic table to convert between grams of a substance and moles. Make sure the units end up the way you want them.