

calculations

% mass composition

% yield

Theoretical yield

mass of other reactant used

mass $\rightarrow$ mole $\rightarrow$ molecule

molecule $\rightarrow$ mole $\rightarrow$ mass

Mm = molar mass calculations

Chemical Formulas: how

many moles C in $C_2H_4O_2$?

$\rightarrow$ see vids! so you think
you understand the mole

N_A = avogadro's # calcs

Periodic Trends

(a) size

(b) ionization energy

Electron configuration

a) neutral elements

b) ions

Effective Nuclear charge

Eff. $\rightarrow$ Nuclear charge $L \rightarrow R$ increases
Down any group goes down

Naming compounds

(a) ionic

(b) covalent

Lewis Formulas

Be able to identify
correct structures

Flame test colors