

0.0.1 Wumbo Word Wednesday

Effervescence

- the act of bubbling out
- the process in which gas bubbles out of a solution
- alt: to be enthusiastic

Percent Composition

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- a way to express the relative amounts of atoms in a molecule through mass percentages.
- $\text{mass} / \text{element} * 100$
- Fe_2O_3
- Chemical Formulas with the same composition will have the same ratio

Empirical Formula

- recall that subscripts represent the ratios of each atom in the molecule
- think of it as simplifying algebra
- we must base the ratio off the element with the least number of moles
- Convert percent to mass; best to assume 100grams for easier conversion
- convert mass to moles using molar masses
- get the ratio of the moles