% Composition Steps

- Find the molar mass of the molecule
- Divide each element's atomic mass by the molar mass of the molecule
- 3) Multiply by 100 to put answer in terms of an actual %

<u>Determining Empirical</u> Formula Steps

- 1) Given: % composition
- 2) Assume you have 100g sample to make #s easier
- 3) Use the poem!
 - Percent to mass
 - Mass to Moles
 - Divide by small
 - Multiply by whole

<u>Determining Molecular</u> Formula Steps

- Find molar mass of the empirical formula
- Divide molecular formula mass by empirical formula mass
- Multiply empirical formula subscripts by the multiplier # found in step 2
 - No cute rhyme this time...sorry! ©

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