

Percent Composition

Unit 7: The Mole

Percent Composition: the percent by mass of each element in a compound
*remains constant regardless of sample size

Steps for % Composition:

- 1) find the molar mass of the compound (use PT)
- 2) one element at a time, take the element's molar mass (multiply if more than one atom in the compound), divide by the compound's molar mass, and multiply by 100

$$\frac{\text{element's molar mass (multiplied if needed)}}{\text{compound's molar mass}} \times 100$$

- 3) watch sig figs!

Practice

Find the % comp of H₂O

To be completed in class.
Leave about 10 lines.