**Unit 5 Notes**

**Percent Composition**

Definitions:

Percent composition-

Mass Percent –

Steps for Calculating Percent Composition:

1. Break the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_down into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Determine the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of each element in the compound (subscripts)
3. Convert the moles of each element into \_\_\_\_\_\_\_\_\_\_\_ using the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ of that element.
4. Add up the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ calculated in step three to find the molar mass of one mole of the compound
5. Divide the amount in grams of each individual element by the number calculated in step four and multiply by 100.

Examples:

Find the Percent composition for the compound K2CrO4

Find the Percent composition for the compound Cr2(SO4)3