

Name _____

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Chemistry L3 Worksheet: Percent composition

1. What is the percent composition by mass of the following compounds (given masses):

ex. 8.20 g Mg and 5.40 g of O → $\frac{8.20}{8.20 + 5.40} \times 100 = 60.3\%$



3. Calculate the percent composition of nitrogen for the following compound



4. Calculate the percent composition for each element in $\text{C}_6\text{H}_{12}\text{O}_6$ Glucose.

5. You complete a synthesis reaction involving nitrogen and oxygen. If you have 28 g of nitrogen and 80 g of oxygen combining in a reaction vessel. What is the % nitrogen and % oxygen by mass? What is the likely chemical formula of the product if all of the reactants were used up?