

Honors Chemistry

Chapter 7 Review

Names _____

Solve each of the following problems. Box your final answer.

1. Calculate the percent composition of the elements in calcium phosphate. (3 points)

2. Calculate the mass of the each element in 60.5 grams of aluminum nitrate. (3 points)

3. A sample of a substance is found to contain 37.28 grams of gold and 6.72 grams of chloride. Determine the empirical formula of this compound and name it. (3 points)

4. A compound is found to have a percent composition of 36.5% sodium, 25.5% sulfur, and 38.1% oxygen. Determine the empirical formula of this compound and name it. (3 points)

5. A hydrate is found to be composed of 89.2% barium bromide and 10.8% water. Determine the empirical formula of the hydrate and name it. (3 points)

6. Determine the percent of water in copper(II) sulfate pentahydrate. (3 points)
