



Name \_\_\_\_\_ Block \_\_\_\_\_ Date \_\_\_\_\_

## Empirical and Molecular Formulas (Section 7.4)

Show all work with correct units and sig figs.

1.) Find the percent composition of plumbic bromide.

2.) Determine the percent composition of calcium nitrate.

3.) A compound was analyzed and found to contain 9.8 g of nitrogen, 0.70 g of hydrogen, and 33.6 g of oxygen. What is the empirical formula of the compound?

4.) Determine the empirical formula of a compound containing 3.6 g carbon, 0.90 g hydrogen, and 2.4 g oxygen.

(over)