Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hour: \_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chemistry: *Molar Mass and Percentage Composition*

Calculate the molar masses and percentage composition of each of the following compounds. Show your work and always include units.

1. Ca3P2

2. Ca(OH) 2

3. Na2SO4

4. CaSO4

5. (NH4) 2SO4

6. Zn3(PO4) 2

7. Mg(NO3) 2

8. KCl

Answers: 1. 182.3 g, 66.0% Ca, 34.0% P 5. 132.1 g, 21.2% N, 6.1% H, 24.3% S, 48.4% O

2. 74.1 g, 54.1% Ca, 43.2% O, 2.7% H 6. 386.2 g, 50.8% Zn, 16.1% P, 33.1 % O

3. 142.1 g, 32.4% Na, 22.6% S, 45.0% O 7. 116.3 g, 20.9% Mg, 24.1% N, 55.0% O

4. 136.2 g, 29.4% Ca, 23.6% S, 47.0% O 8. 74.6g, 52.4% K, 47.6% Cl