Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class \_\_\_\_\_\_\_\_\_\_\_\_\_

Stoichiometry: Mass -Mass Problems

1. 2KClO3 →2KCl + 3O2

How many grams of potassium chloride are produced 25 g of potassium chlorate decompose?

1. N2 + 3H2 → 2NH3

How many grams of hydrogen are necessary to react completely with 50.0 g of nitrogen in the above reaction?

1. How many grams of ammonia are produced in the reaction in Problem 2?
2. 2AgNO3 + BaCl2 → 2AgCl Ba(NO3)2

How many grams of silver chloride are produced from 5.0 g of silver nitrate reacting with an excess of barium chloride?

1. How much barium chloride is necessary to react with silver nitrate in Problem 4?