STOICHIOMETRY: MASS-MASS PROBLEMS

Name _____

1. $2KClO_3 \rightarrow 2KCl + 3O_2$
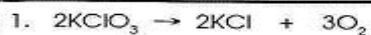
   How many grams of potassium chloride are produced if 25 g of potassium chlorate decompose?

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2. $N_2 + 3H_2 \rightarrow 2NH_3$
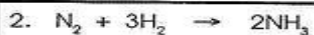
   How many grams of hydrogen are necessary to react completely with 50.0 g of nitrogen in the above reaction?

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3. How many grams of ammonia are produced in the reaction in Problem 2?

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4. $2AgNO_3 + BaCl_2 \rightarrow 2AgCl + Ba(NO_3)_2$

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

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

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