**Open Note Pop Quiz: Limiting Reagents**

1. Take the reaction: NH3 + O2 http://www.chemistry.wustl.edu/~coursedev/Online%20tutorials/arrow.gif NO + H2O. In an experiment, 3.25 g of NH3 are allowed to react with 3.50 g of O2.

a. Which reactant is the limiting reagent?

b. How many grams of NO are formed?

c. How much of the excess reactant remains after the reaction?

1. If 4.95 g of ethylene (C2H4) are combusted with 3.25 g of oxygen.

a. What is the limiting reagent?

b. How many grams of CO2 are formed?

1. Consider the reaction of C6H6 + Br2 http://www.chemistry.wustl.edu/~coursedev/Online%20tutorials/arrow.gif C6H5Br + HBr

a. How many grams of C6H5Br are produced if 42.1 g of C6H6 react with 73.0 g of Br2?

b. How much of the excess reactant is left over?