Ch3/ Worksheet/Limiting Reagent **Name:**

Show all work. Write the equation and balance it where necessary.

1. What is the maximum number of grams of ammonia, NH_3, which can be obtained from the reaction of 10.0 g of H_2 and 80.0 g of N_2? Calculate the grams of excess reagent left. (Ans: 56.7g,)

2. What is the theoretical yield of chromium that can be produced by the reaction of 40.0 g of Cr_2O_3 with 8.00 g of aluminum? Calculate the percent yield if 13.9 g of product is produced. Calculate the grams of excess reagent left. (15.4g, 90%,)