Percent Yield WKST Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chem 332 – O’Dette Date \_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_

1. When 4.00x105 kg of H2 is added to an excess of N2, 1.04x106 kg of NH3 is produced. What is the percentage yield?
2. If 185 g of magnesium are recovered from the decomposition of 1000.0 g of magnesium chloride, what is the percent yield?
3. If 156 g of sodium nitrate react, and 112 g of sodium nitrite are recovered, what is the percentage yield?

2 NaNO3 2 NaNO2 + O2

1. When 55 g of NO is mixed with an excess of O2, 31 g NO2 is recovered. What is the percent yield?

2 NO + O2 2NO2

Answers: 1) 46.2% 2) 72.5% 3) 88.2% 4) 37%