**General Final Review – Stoichiometry and Solids**

1) For the reaction \_\_\_\_ NaOH + \_\_\_\_ H2SO4 → \_\_\_\_ H2O + \_\_\_\_ Na2SO4

a) Balance it!

b) Identify the type of reaction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Will this reaction occur? Yes or no? \_\_\_\_\_\_\_\_\_\_\_\_\_

d) How many grams of water can be made from 250 grams of sulfuric acid and 150 grams of sodium hydroxide?

e) Circle the limiting reagent in the equation above.

f) How much of the excess reagent will remain when the reaction is finished?

g) If I actually make 200 grams of water, what is my percent yield? Is this reasonable?