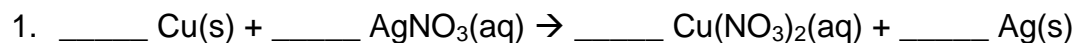


Limiting Reactant

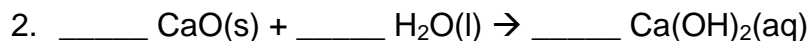
Name _____

Date _____ Period _____

Show ALL of your work for credit on this assignment!



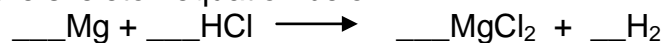
If 2.5 moles of copper and 5.5 moles of silver nitrate are available to react, what is the limiting reactant?



How many grams of calcium hydroxide will be formed in this reaction when 4.44 g of calcium oxide and 7.77 g of water are available to react? Also identify the limiting and excess reactants.



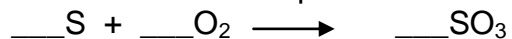
3. Magnesium undergoes a single replacement reaction with hydrochloric acid. Balance the skeleton equation below.



How many grams of hydrogen gas will be produced from the reaction of 3.00 g of magnesium with 4.00 g of hydrochloric acid?

Identify the limiting and excess reactants.

4. Sulfur reacts with oxygen to produce sulfur trioxide gas. Balance the skeleton equation below.



If 6.3 g of sulfur reacts with 10.0 g of oxygen, what is the limiting reactant?

How many grams of sulfur trioxide will be produced?