## St®ichi®metry Stati®n review

	Period:Date:
<u>Directions:</u> Answer all the questions correctly o	and concisely. Show all work and units for each calculation in order
to receive credit!	•
STATION #1:	
	g of silver nitrate. How many moles of calcium nitrate would be produced?
Determine the limiting and excess reactants.	, , , , , , , , , , , , , , , , , , ,
Balanced Equation =	<u>-</u>
LR =	ER =
1h) Suppose 2 6g of calcium chloride reacts with 4.8	g of silver nitrate. How many moles of silver chloride would be produced?
Determine the limiting and excess reactants.	j of silver fill are, flow many moles of silver chiloride would be produced?
-	
Balanced Equation =	····

STATION #2:  2a) How many grams of fluorine gas must be reacted with sodium chloride in order to produce 3.67g of sodium fluoride?
Balanced Equation =
Dananced Equation
2b) How many grams of chlorine gas must be reacted with sodium bromide in order to produce 9.5g of sodium chloride?
Balanced Equation =
CTATION #2.
STATION #3:  3a) How many moles of oxygen gas must be reacted with iron in order to produce 23.5g of iron III oxide (rust)?
Balanced Equation =
3b) How many moles of iron must be reacted with oxygen gas in order to produce 18.6g of iron III oxide (rust)?
Balanced Equation =

STATION #4:
4a) Suppose 0.125 moles of acetic acid reacts with magnesium. How many grams of magnesium acetate would be produced?
Balanced Equation =
4b) Suppose 0.875 moles of acetic acid reacts with magnesium. How many grams of hydrogen gas would be produced?
Balanced Equation =
Bulancea Equation -
STATION #5: 5a) If 15.2g of hydrochloric acid reacts with zinc, how many grams of zinc chloride are produced?
Balanced Equation =
5b) If 12.6g of hydrochloric acid reacts with magnesium, how many grams of hydrogen are produced?
Balanced Equation =

## STATION #6:

6a) Suppose 3.5g of magnesium hydroxide reacts v Determine the limiting and excess reactants.	with 0.5 moles of nitric acid. How many moles of water wo	ould be produced?
Balanced Equation =		
LR =	ER =	
LK =	CK =	<del></del>
be produced? Determine the limiting and excess re	reacts with 2.5g of nitric acid. How many moles of magne eactants.	
Duranced Equation -		

## STATION #7:

7a) Suppose 6.25g of hydrochloric acid decomposes. How many moles of hydrogen gas will be produced?				
Balanced Equation =				
7b) Suppose 2.37g of hydrochloric acid decomposes. How many moles of chlorine gas will be produced?				
Balanced Equation =				

## STATION #8:

3a) Suppose 0.95 moles of hydrochloric acid reacts with aluminum. How many moles of aluminum chloride will be produce					
Balanced Equation =					
Bb) Suppose 0.25 moles of hydrochloric a	cid reacts with aluminu	m. How many moles of h	ydrogen gas will be prod	luced?	
Balanced Equation =					