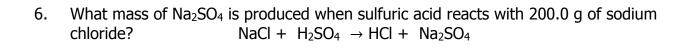
## Name:

	Chemistry – Stoichiometry Worksheet
	Instructions: 1. Write balanced equation 2. Circle the quantity you start with; underline the quantity you want to end with 3. Set up dimensional analysis and solve.
1.	How many grams of calcium carbonate are required to prepare 50.0 g of calcium oxide? $ \text{CaCO}_3 \rightarrow \ \text{CaO} + \text{CO}_2 $
2.	When 0.50 g of magnesium reacts with silver nitrate, how many grams of silver are prepared? (HINT: single replacement)
3.	If 75.0 g of copper react with mercury (II) nitrate, how many grams of mercury form? $ Cu + Hg(NO_3)_2 \rightarrow Cu(NO_3)_2 + Hg $
4.	When 60.0 g of aluminum react with hydrochloric acid, how many grams of hydrochloric acid react?
5.	How many grams of magnesium chloride are produced by treating 4.00 g of titanium (III) chloride with magnesium?



7. How many moles of HCl are needed to form 3.5 \*  $10^3$  moles of Cl<sub>2</sub>? HCl + O<sub>2</sub>  $\rightarrow$  H<sub>2</sub>O + Cl<sub>2</sub>

8. How many grams of sodium hydroxide will react with  $1.50 * 10^3$  g of phosphoric acid?

9. If 90.0 g of barium chloride react with sulfuric acid, how many grams of HCl are produced?

10. If 320 grams of sodium carbonate react with calcium hydroxide, how many grams of sodium hydroxide are formed?