

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

### Single & Double Replacement Reactions Puzzle

Fill in the table below with the reactants or products found along the edges of the puzzle.  
Then fill in the missing information: coefficients, reactant/products, and phases of matter!

	Reactants	Products
1.	$2\text{Co}(\text{ClO}_3)_3(\text{aq}) + 3\text{Ca}(\text{OH})_2(\text{aq})$	$3\text{Ca}(\text{ClO}_3)_2(\text{aq}) + 2\text{Co}(\text{OH})_3(\text{s})$
2.	$\text{Ca}(\text{s}) + 2\text{NaBr}(\text{aq})$	$2\text{Na}(\text{s}) + \text{CaBr}_2(\text{aq})$
3.	$\text{Li}_2\text{CO}_3(\text{aq}) + \text{Sr}(\text{NO}_3)_2(\text{aq})$	$\text{SrCO}_3(\text{s}) + 2\text{LiNO}_3(\text{aq})$
4.	$6\text{Li}(\text{s}) + \text{Al}_2\text{S}_3(\text{aq})$	$2\text{Al}(\text{s}) + 3\text{Li}_2\text{S}(\text{aq})$
5.	$\text{NH}_4\text{NO}_3(\text{aq}) + \text{ZnSO}_4(\text{aq})$	$\text{Zn}(\text{NO}_3)_2(\text{aq}) + (\text{NH}_4)_2\text{SO}_4(\text{aq})$ * NO RXN
6.	$\text{Fe}(\text{NO}_3)_2(\text{aq}) + \text{Li}_3\text{PO}_4(\text{aq})$	$6\text{LiNO}_3(\text{aq}) + \text{Fe}_3(\text{PO}_4)_2(\text{s})$
7.	$\text{KBr}(\text{aq}) + \text{I}_2(\text{s})$	* NR
8.	$2\text{AgNO}_3(\text{aq}) + \text{MgBr}_2(\text{aq})$	$\text{Mg}(\text{NO}_3)_2(\text{aq}) + 2\text{AgBr}(\text{s})$