	Hour: Date:
Chemistry: Chemical Reaction Write the correct formula for the compount criss-cross rule.	Practice Independ formed by each of the following pairs of ions. HINT: Remember the
1. Na ⁺ F ⁻	1
2. K ⁺ S ²⁻	2
3. Al ³⁺ SO ₄ ²⁻	3
4. Ni ²⁺ O ²⁻	4
5. Ca ²⁺ ClO ₃ -	5
	ite compound (HINT: You might need your polyatomic ion sheet) n one molecule of that compound. The first one is done for you!
6. Fe ₂ (SO ₄) ₃	6. <u>2 Fe³⁺ and 3 SO₄²⁻</u>
7. Mg(NO ₃) ₂	7
8. NH ₄ NO ₂	8
9. KC ₂ H ₃ O ₂	9
10. Na ₂ Cr ₂ O ₇	10
11. Cal ₂	11
12. Na ₂ CO ₃	12
13. Ga(CIO ₃) ₃	13
14. CuF ₂	14
15. (NH ₄) ₃ PO ₄	15
the reaction will NOT occur, write NR (no resulting equation.	ow, determine if the reaction will proceed by using the activity series. If rxn). If the reaction will occur, predict the products and balance the
1AI +HCI →	
2. $F_2 + MBr \rightarrow$	
3 KI + Fe →	
4. $\underline{\qquad}$ H ₂ + $\underline{\qquad}$ CuNO ₃ \rightarrow	
5 Sr + CaCO ₃ →	
6. $\underline{\qquad}$ CuF ₂ + $\underline{\qquad}$ Cl ₂ \rightarrow	

Name: __

Double Replacement Reactions

For each double replacement reaction below, determine if the reaction will proceed by using the solubility table. Remember, for a DR reaction to occur, you usually need to produce a precipitate, a gas, or water. If the reaction will NOT occur, write **NR** (no rxn). If the reaction will occur, **predict the products with appropriate phases (i.e. aq, s, l, g) and balance the resulting equation.**

- 1. ____ AgNO₃(aq) + ____ NH₄Cl(aq) \rightarrow _____
- 3. $\frac{\text{KOM(aq)} + \text{Fel}_2(aq)}{\text{C}} \rightarrow \frac{\text{K'} \text{I''}}{\text{KT}} + \frac{\text{Fe'} \text{OH'}}{\text{C}}$
- 4. $Ma_2SO_4(aq) + MgNO_3(aq) \rightarrow MgNO_3(aq)$
- 6. ____NaBr(aq) + ____HgNO₃(aq) \rightarrow _____
- 7. $2nCl_2(aq) + CuSO_4(aq) \rightarrow$
- 8. ____ CuCrO₄(aq) + ____ Na₂S(aq) \rightarrow _____
- 9. $MgI_2(aq) + MgI_2(aq) \rightarrow M$
- 10. ____ CuBr₂(aq) + ____ (NH₄)₂CO₃(aq) \rightarrow _____