

**General Chemistry**  
**Mr. MacGillivray**  
**Worksheet:**  
**Predicting Single Replacement Reactions**

For each of the following reactions,

- PREDICT whether or not the reaction will occur. Use the activity series to determine this. If the reaction will not occur, write "NO REACTION."
- If the reaction occurs, WRITE THE CORRECT FORMULAS for the reactants and products.
  - Remember: the following elements are diatomic: H<sub>2</sub>, N<sub>2</sub>, O<sub>2</sub>, F<sub>2</sub>, Cl<sub>2</sub>, Br<sub>2</sub>, I<sub>2</sub>.
  - Use the chart of polyatomic ions and transition metals if necessary.
- BALANCE the equation.
- #1 and # 5 are done already as examples.

