

Name _____
Date _____

Recipes for Chemical Change Quiz on Reaction Types and on Predicting Products

Directions: For the following, indicate the type of reaction occurring (Synthesis, Decomposition, Single Replacement, Double Displacement, or Combustion). Predict what the products will be. Then complete and balance the equations.

TYPE	WRITE PRODUCTS & BALANCE EQUATION
1. _____	$\text{NI}_3 (\text{g}) \rightarrow$
2. _____	$\text{Na}_2\text{CO}_3 (\text{aq}) + \text{MgBr}_2 (\text{aq}) \rightarrow$
3. _____	$\text{Al}(\text{s}) + \text{Cl}_2 (\text{g}) \rightarrow$
4. _____	$\text{Ba} (\text{s}) + \text{N}_2(\text{g}) \rightarrow$
5. _____	$\text{C}_{11}\text{H}_{18}(\text{l}) + \text{O}_2(\text{g}) \rightarrow$
6. _____	$\text{Na}_2\text{O}(\text{s}) + \text{H}_2\text{O} (\text{l}) \rightarrow$