

Types of Reactions - Card Sort Activity

Instructions

Materials:

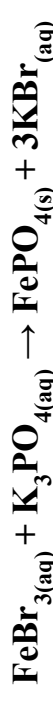
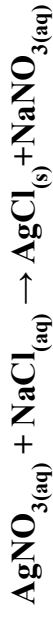
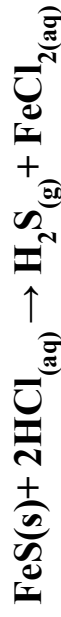
In your sleeves, you will find:

- 5 green colored **reaction types**: Single Replacement, Double Replacement, Decomposition, Synthesis, Combustion
- 5 green colored **reaction definitions**
- 15 **example chemical reactions** on salmon colored paper sheets.

Instructions:

- First, sort the reactions into 5 groups.
 - Look for patterns (similarities) in the reactions to help you place them into their respective groups.
 - Next, sort the definitions and reaction names into each group of reactions.
 - Ultimately, you should have 5 sets that each include a reaction type, a definition, and three example reactions.
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<p>Combustion</p> <p>A carbon compound is burned in oxygen to form carbon dioxide and water.</p> <p>Carbon compound + O₂ → CO₂ + H₂O</p>	<p>Synthesis</p> <p>Reaction in which two or more chemical species combine to form a more complex product:</p> <p>A + B → AB</p>	<p>Decomposition</p> <p>Reaction in which one reactant breaks down into two or more products.</p> <p>AB → A + B</p>	<p>Single Replacement</p> <p>Reaction in which one element replaces another in a compound.</p> <p>A + BC → B + AC</p>	<p>Double Replacement</p> <p>Reaction in which the positive and negative ions of two ionic compounds exchange places to form two new compounds.</p> <p>AB + CD → AD + CB</p>
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Student Name: _____

Period: _____

Types of Reactions Exit Ticket

Identify the type of chemical reaction for each of the following examples.

Word Bank: Single Replacement, Double Replacement, Synthesis, Decomposition, Combustion



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