

Unit 2 Review

- Writing Equations
 - List common symbols and what they represent.
 - Define: Reactant, Product, Exothermic, Endothermic, Spontaneous, Non-spontaneous, Catalyst, Thermal decomposition, electrolysis
 - Word equation vs skeleton equations. Be able to write both.
- Synthesis
 - Two elements forming a binary compound. Predict the products.
 - A metal oxide combines with water. Predict the products.
 - A non-metal oxide combines with water. Predict the products.
- Decomposition
 - Binary compound decomposition into its elements. Predict the products.
 - Decomposition of a metal nitrate. Predict the products.
 - Decomposition of a metal carbonate. Predict the products.
 - Decomposition of a metal chlorate. Predict the products.
 - Decomposition of metal hydroxides. Predict the products.
- Combustion
 - Complete combustion. Predict the products.
 - Incomplete combustion. Predict the products.
- Single Displacement
 - Single displacement involving metals. Predict the products.
 - Single displacement involving non-metals. Predict the products.
- Double Displacement
 - Double displacement producing a precipitate. Predict the products.
 - Double displacement producing a gas. Predict the products.
 - Neutralizations reaction. Predict the products.
- Net Ionic
 - Total Ionic Equations vs. Net Ionic Equations. Be able to write both and identify spectator ions.

Review Questions

p 209 #1-8, 11, 13, 16, 18, 23, 27

p. 214 # 4, 8, 12