Unit #7 Regents Chemistry

Stoichiometry and Chemical Equations

Text	Unit Objectives:
11.1	1. Become comfortable reading chemical equations.
11.1	2. Become comfortable seeing if a chemical equation is balanced, if it is not be able to balance it.
17.2	3. Be able to determine if a reaction is exothermic or endothermic by looking at its chemical equation.
11.1	4. Know how phases are represented in a chemical equation. Be able to draw a simple model that shows a product or reactant (box diagram).
11.2	5. Know the five basic types of chemical reactions (synthesis, decomposition, single replacement, double replacement, combustion).
12.1 12.2	6. Become comfortable using stoichiometry, using the number of moles of a product/reactant to convert to the number of moles, or grams.

Essential Vocabulary

Chemical Equation, Coefficients, Decomposition, Double Replacement, Single Replacement, Stoichiometry, Synthesis

Announcements:

1. You will need your calculator every day for class during this unit.