**Chemical Equations Objectives**

**You should understand that in chemical reactions matter and energy change forms, but the amounts of matter and energy do not change. (Law of Conservation of Mass)**

**Objectives:**

**\* Know the four basic types of inorganic reactions.**

**\* Know the characteristics of a neutralization reaction.**

**\* Know the characteristics of a combustion reaction.**

**\* Given the reactants, predict the products of a reaction.**

**\* Write and balance a chemical equation.**

**\* Give evidences of a chemical reaction.**

**\* Use a chemical equation to describe a simple chemical reaction.**

**\* Identify evidence that supports the conservation of mass in a chemical reaction.**

**\* Investigate everyday chemical reactions that occur in your home (e.g., baking, cleaning).**

**\* Report evidence of energy transformations in a chemical reaction.**

**\* Classify evidence of temperature change in a reaction as endothermic or exothermic.**