Chemistry Study Guide

**Chapter One:**

* Synthetic
  + Fibers
  + Polymers
* Pesticides (herbicides/insecticides)
* Soap
* Alloys
* HHPS
* Baking Bread
* pH Scale
* WHMIS

**Chapter Two:**

* Chemical Reaction
* Ripening of Bananas
* Bleach
* Clean Pool
* Evidence of Chemical Reaction
* Energy Changes
  + Exothermic
  + Endothermic

**Chapter Three:**

* Word Equations
* Types of Reactions:
  + Composition
  + Decomposition
  + Neutralization
  + Combustion
* Chemical Name
* Chemical Formula
* Common Name
* Law of Conservation of Mass
* Balancing Equations

**Chapter Four**

* Complete/Incomplete Combustion
* Fossil fuels
* Greenhouse gases
* Global warming
* Climate change
* Pollutants: SO2 and NO2
  + Natural vs. Human contributions
  + Acid precipitation
  + Acid deposition
* Acid/Base Reactions:
  + Neutralization in stomach
  + Liming
* Sulfur Scrubber
* Corrosion
* Rusting
* Solving Corrosion
  + Painting
  + Galvanization
  + Sacrificial Metal