

Unit 6 - Chemical Reactions

(Honors Chemistry Syllabus)

(Chapter 9)

- I. The Nature of Chemical Rxns. (Section 9.1)**
 - A. Chemical Rxns.
 - B. The Reason for Rxns.
 - C. Evidence of a Chemical Rxn.

- II. Chemical Equations (Eqns.) (Section 9.1)**
 - A. Intro.
 - B. Word Eqns.
 - C. Formula (Skeleton) Eqns.
 - D. Balancing Chemical Eqns.

- III. 5 Types Of Chemical Rxns. (Sections 9.2 & 9.3)**
 - A. Direct Combination (Synthesis) Rxns.
 - B. Decomposition Rxns.
 - C. Single-Replacement Rxns. (Sgl. Displacement Rxns.)
 - D. Double-Replacement Rxns. (Dbl. Displacement Rxns.)
 - E. Combustion Rxns.

- IV. Ionic Equations (Section 9.3)**
 - A. Complete Ionic Equation
 - B. Spectator Ions
 - C. Net Ionic Equation

- V. Overall Equations (Section 9.3)**

✓ **Unit 6 Internet help (On Mr. Segulin's Honors Chemistry Web-page):**

- Online Text
- "CyberEd Chemistry" Link: "Chemical Reactions"
- General Chemistry help (pick the topic that you need to assist you)
- "Chemical Equations" link (These are tutorial links.) (GREAT!!)

✓ **Chapter 9 Review Questions:**

- pgs. 280-315: #'s 1-34, 35-49, 50-56, 57-75, 76-88, 89-102, 103-114, 118-119, and 121-122.
- Pgs. 980-981: #'s 1-23