

# ***Honors Chemistry - Topic V Outline***

## **The Periodic Properties of The Elements**

### **I. The Periodic Table of The Elements**

- A. The History of The Periodic Table
  - 1. Early classifications of elements
  - 2. Mendeleev's periodic table

pp. 88-91; 327-331; 343-344

- B. The Modern Periodic Table
  - 1. Review of organization
  - 2. Names of special families
  - 3. Relationship to atomic structure

- C. Periodic Trends
  - 1. Ionization energy
  - 2. Atomic/Ionic radii
  - 3. Electron affinity
  - 4. Electronegativity

### **II. Chemical Properties of the Elements** (Covered in lab)