

## Chapter 5 Study Guide

### **Terms:**

Anion  
Cation  
Ion  
Ionization  
Ionization Energy  
Periodic Table  
Periodic  
Periodic Law  
Period  
Group  
Alkali Metals  
Alkaline Earth Metals  
Transition Metals  
Noble Gases  
Halogens  
Nonmetals  
Metals  
Metalloids  
Main Group Elements  
Lanthanides  
Actinides  
Atomic Radius  
Electron Affinity  
Ionic Radius  
Valence Electrons  
Electronegativity

### **Historical Figures:**

Dmitri Mendeleev  
Henry Moseley

### **Concepts:**

Periodic Trends

1. Ionization Energy
2. Atomic Radius
3. Ionic Radius
4. Electronegativity
5. Electron Affinity

Group Trends

1. Ionization Energy
2. Atomic Radius
3. Ionic Radius
4. Electronegativity

5. Electron Affinity  
Electron Configuration