

## Chapter 14 and 15 Study Guide (use your study guide and notes to study)

### 14.1

- Know all vocabulary words except for ions and isotopes
- Know how to read the periodic table of elements (see notes and power point slides)
- Know the characteristics of metals and nonmetals and noble gases
- Know how the elements are categorized

### 14.2

- Know the difference between compounds and molecules
- Know how to read compounds symbols and the meaning of them
- Know all the vocabulary words in this section
- Know how to draw compounds by combining atoms together

### 14.3

- Know the difference between homogeneous and heterogeneous mixtures
- Know all the vocabulary words in this section

### 14.4

- know how to test the pH of acids and bases using litmus paper and indicator paper
- Know how to read the pH scale and the properties of acids and bases
- Know what range acids fall under and what range bases fall under
- Know all the vocabulary words in this section

### 15.1

- Know how thermal expansion effects solids, liquids, and gases
- Know how temperature effects solids, liquids, and bases
- Know the characteristics of physical changes
- Know all the vocabulary words in this section

### 15.2

- Know the difference between endothermic and exothermic reactions
- Know the characteristics of chemical changes
- Know all the vocabulary words in this section

## Physical Properties of Matter

- Know all the physical properties of matter vocabulary words
- Know how to test for mass, volume, and density
- Know the difference between mass and weight