**UNIT 4 OBJECTIVES:** **Chapter’s 7, 8, and 9**

**Students can demonstrate:**

 **-how to draw ionic bonds using both electron configuration notation and dot**

 structures. (state obj., explain goal of both ionic models, show example of both models.)

-how to write and name an ionic chemical formula.( state obj., explain how to write an ionic formula and how to name it with examples of both.)

 **-properties of ionic compounds. (state obj., state two properties.)**

-how to draw a covalent bonds using both electron configuration notation and dot structures. (state obj., explain goal of both covalent models, show example of both models.)

-how to name covalent compounds. (state obj., explain how to name, give example.)

-diatomic elements. (state obj., explain why these elements do this, list elements.)

 **-vsepr theory. (state obj., explain the theory, example)**

 **-polar vs. nonpolar bonds. (state obj., define both, example of both.)**

 **-properties of covalent compounds. (state obj., state two properties.)**

-how to name and write the chemical formula of an acid. (state obj., explain how to name, example.)