Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_#\_\_\_  
Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd.\_\_\_

Ch. 8: Periodic Table Guide Project

For this project, you will be making a guide to the Periodic Table by showcasing specific atoms of certain element types, metals, metalloids, and non-metals. You may work by yourself or with one other person. The guide will also have a page explaining how the periodic table is organized, referring to element types, periods, and groups.

Element Options: You must pick 3 elements (1 Metal, 1 Non-Metal, 1 Metalloid) from atomic numbers #4 to #38.

1. You must have a creative, in color Title Page.
2. You must have 3 element pages – one for each element.
   * Each page must include:
     + Symbol, Atomic Number, Atomic Mass
     + Number of protons, neutrons (show work), electrons (neutral and in ionic state)
     + Phase of matter at Room Temperature, Boiling point and Melting point (degrees in Celsius)
     + Location on the Periodic Table (Period, Group)
     + Electron orbital or energy level diagram (extra credit if you include both)
     + Oxidation # and Lewis Dot Diagram (Show Work)
     + The place on EARTH where your element is most commonly found.
     + The most common use for your element.
     + 1 – 3 interesting facts about your element.
3. Periodic Table Page (Complete Sentences)
   * Explain how the periodic table is organized.
   * What have you learned about the Periodic Table?
   * Who were the main contributors in designing the Periodic Table?
   * Interesting facts about the Periodic Table.

DUE DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

POINTS POSSIBLE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_