**Periodic Table Of Elements Project**

 To better understand and identify elements in the periodic table, you will create a poster that illustrates information about elements. The poster will examine what an element is, where an element can be located, how an element is used commercially, and general facts about an element. You will work alone on this project. This project is worth 50 points and will be due in one week. Grades will be based on content, quality, and appearance. The following criteria must be fulfilled :

 **1. Choose any element to research.**

 **2. Determine 5 characteristics of the element.** – (5 points)

- Atomic Number (# of protons)

 - Atomic Mass (# of protons & neutrons)

 - Isotopes

 - State Of Matter

 - Solids, Liquids, Gases, or Metallloids

 - Groups

 - Alkali Metals

 - Alkaline Metals

 - Transition Metals

 - Metalloids

 - Lanthanides

 - Actinides

 - Non-Metals

 - Halogens

 - Noble Gases

 - Density

 - Boiling Point

 - Melting Point

 **3. Identify 5 different element locations.** – *Where it can be extracted.* (5 points)

 **4. Identify 10 commercial uses of the element.** (10 points)

 **5. List 10 facts about the element you chose to research.** (10 points)

 **6. Include 10 colored pictures of the element or element products.** (10 points)

 **7. Literature Cited** : (Put on back of the poster) (2 points)

 8**. Hints For Neatness** (8 points)

 - Use subheadings for each category on your poster.

 - Bullet information (DO NOT use large paragraphs of information)

 - Copied Internet pages will result in 0 points