

Name: \_\_\_\_\_

Per: \_\_\_\_\_

## Periodic Table Family Portrait Assignment

Periodic Table Group Assignment: \_\_\_\_\_

Your Element: \_\_\_\_\_

Must Include about your assigned family/group of the periodic table:

- Group Name
  - Characteristics of your family (If your family contains metals-what are the properties of metals? Non-metals? What are some properties of non-metals? Is your group reactive? Not reactive?)
  - Do any of your family members have anything in common?
  - What makes your family unique?
  - What type of bonds are typically formed by members of your group? (Ionic/ covalent/ metallic)
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Must Include All of the following about your element:

- Element Symbol
- Atomic #
- State of Matter (S, L, or G) at Room Temperature
- Metal, Metalloid, Non-Metal
- At least one picture of how the element looks or how it is utilized (Printed or hand-drawn). Example- neon is used for "neon signs" so a picture of a neon sign would suffice.
- At least 2 physical properties and one chemical property of your element (being unreactive is a chemical property) If you really cannot find any chemical properties (transition metals and lanthanides/ actinides)- then just include 3 physical properties.
- Important Use(s) of the element in the real-world

**Include ONE of the following about your element:**

- **Who discovered it and when**
- **Where it is found or where is it obtained**
- **What it's name means and why it was named what it was**
- **Three Interesting Facts about the element**

<http://www.compoundchem.com>- there is a LOT of information currently about the elements on the website.

A few recommended element websites to consider are:

<http://periodic.lanl.gov/>

<http://www.chemicool.com/>

<http://www.chemicalelements.com/>

<http://www.webelements.com/>

<http://education.jlab.org/itselemental/>

<http://www.lenntech.com/periodic-chart.htm>

<http://www.ucc.ie/ucc/depts/chem/dolchem/html/element/element000.html>