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

*What Element(s) on the Periodic Table of Elements am I most Like?*

*How are you as a problem solver? Do you press the “pause button” when a problem arises, then think about how you can solve it, then respond slowly? Or, are you “reactive” and immediately go to a place of blame and talking back not even thinking about what happened and ending up worse off than when the problem began?*

*In this writing assignment you will:*

1. *Explore to understand the Periodic Table of Elements and how it is organized.*
2. *Understand the major groups (1,2, and 13 – 18) and periods and their properties*
3. *You will then choose a group and specific element from the PTE and thoroughly describe the groups elements basic properties*
4. *Finally, you will describe yourself and how you are like the element you chose.*
5. *We will engage in a lesson on Lead –ins as a whole class so that your introduction grabs the reader’s attention and makes them want to read.*

First, go to the following links and take the PTE quizzes. You may be like more than one element.

<http://www.gotoquiz.com/what_element_of_the_periodic_table_are_you_1>

<http://chemistry.about.com/od/testsquizzes/l/blwhichelementquiz.htm> Element\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Next, complete each step of this process. You will need this information to support your writing about which element you are most like.

1. How is the periodic table of elements organized? Why is this so? What are the trends on the PTE? (We have discussed this in class) you can also see:

<https://www.youtube.com/watch?v=8MKn4ObP7q0>

<https://www.youtube.com/watch?v=fPnwBITSmgU>

<http://education-portal.com/academy/lesson/electronegativity-trends-among-groups-and-periods-of-the-periodic-table.html> you may need to create an account

1. What are the properties of the different groups?

<https://www.youtube.com/watch?v=0RRVV4Diomg> or <http://www.rsc.org/periodic-table/element/8/oxygen>

<http://www.learner.org/interactives/periodic/groups7.html>

Do this on a separate sheet of paper and attach it to the back of this packet. Thanks!

1. Which group do you feel you are most like? In general, I am most like………… because………..

***\*\*\*\*This is due by March 9th/10th***.\*\*\*\*

1. *Choose a specific element from the group you chose on the PTE and thoroughly describe the elements’ properties giving the following information* [*http://www.rsc.org/periodic-table/element/8/oxygen*](http://www.rsc.org/periodic-table/element/8/oxygen)

*Check these off as you go.*

*\_\_\_ the name of the element*

*\_\_\_ symbol of the element*

These will be used for the artistic cover

*\_\_\_ the meaning of the element*

*\_\_\_ the atomic number*

*\_\_\_ which group it belongs to and the* ***properties of that group of elements***

*\_\_\_ the specific* ***propertie****s* ***of the element*** *you are like and why*

*See Next page for a table*

|  |  |
| --- | --- |
| *Name of the element you are choosing* |  |
| *Element Symbol/Id*  *And Atomic Number* |  |
| *Meaning of the elements name* |  |
| *Group the element belongs to and properties of the group* <http://www.learner.org/interactives/periodic/groups7.html> |  |
| *Properties of your specific element*  [*http://www.rsc.org/periodic-table/element/8/oxygen*](http://www.rsc.org/periodic-table/element/8/oxygen) |  |

***Electronegativity*** is a measure of the tendency of an atom to attract a bonding pair of electrons.

See: <http://environmentalchemistry.com/yogi/periodic/electronegativity.html>

In terms of **relationships,** which element are you most like? Do you bond with others to make and keep friends or not? Why do you think this is so?

**Problem solving:** Are you reactive or slow to respond because you are thinking about solving the problem (You will need the research from <http://www.rsc.org/periodic-table/element/8/oxygen>

***\*\*\*This is due by March 12th/13th\*\*\****

Now that you have all of your information, create a draft narrative writing piece that ties all of the information together. Remember, we want your writing to speak to us as if you are speaking to someone about yourself and how you are like the element you chose.