

Name _____ Date _____ Hour _____

Periodic Table Webquest

Directions: Complete an internet research to answer the following questions about the periodic table.

1. What tool do chemists now have thanks to the works of Mendeleev and Mosely? Describe how the works of these two scientists were different but accomplished a very important task.

The following questions can all be found on the following website. You are however not limited to just using this site. Feel free to search around. http://www.chem4kids.com/files/elem_intro.html

2. What determines where an element is located on the periodic table?
3. What's a period? What do elements in the same period have in common?
4. What's a group? What do elements in the same group have in common?
5. Why is helium placed with the other noble gases?
6. Where are the noble gases located? How many valence electrons do the noble gases have? Why are they called "inert"?
7. In what groups can we find metals? What are some characteristics of metals?

8. Where are the alkali metals located? How many valence electrons do these guys have in common?

9. Where are the alkaline earth metals located? How many valence electrons do these guys have in common?

10. Where do we find the transition elements? How are the electrons shells of transition metals different from those of the first 18 elements on the PT?

11. Where is the lanthanide series located?

12. Where is the actinide series located? What is special about all of the elements in this section of the PT?

Find 5 additional sites where you can find useful information about the periodic table. Record them below.