

Name: _____

Date: _____

Chemistry

Periodic Table Review

1. What are the metalloids?
found on stair step line (except Al), have chemical and physical properties of both metals and nonmetals
2. What are the transition elements? all Group B elements
3. What is the periodic law? A periodic repetition of chemical and physical properties of the elements is observed when they are arranged by increasing atomic number
4. What are the horizontal rows called? periods What are the representative elements? Groups 1A to 8A
5. What are the horizontal rows called? periods
6. What are the properties of the metals? shiny, good conductors, solid at room temperature, ductile and malleable most elements are metals
7. What are the columns in the periodic table called? groups/families
8. Development of the Periodic Table

Scientist	Contribution to Periodic Table
John Newland	Arranged elements by increasing atomic mass, found repeating pattern every 8 elements, law of octaves
Dmitri Mendeleev	Arranged elements by increasing atomic mass, made accurate predictions about properties of missing elements, published work first-so gets credit for developing the first periodic table
Henry Moseley	Arranged elements by increasing atomic number which corrected problems with Mendeleev's table (elements out of order based on properties), his revisions lead to periodic law