

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

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

# Periodic Table Packet

1. Using the group and period numbers, identify the elements that are located in each of the following location.
  - a. The element in group 10 and period 5 = **Pd**
  - b. The element in group 15 and period 4 = **As**
  - c. The element in group 2 and period 3 = **Mg**
  - d. The element in group 18 and period 6 = **Rn**
  - e. The element in group 1 and period 7 = **Fr**
2. Are the non-metal elements located on the left or right side of the periodic table?  
**Right (except for Hydrogen)**  
\* Elements can also be classified by family, use the color coding at the top of the page to help identify the family names and their element members.
3. Click on the group number for the Alkali Metals family at the top of the table.  
Answer the following about the Alkali metals:
  - a. What are 3 similar properties of these elements? **Shiny, soft, highly reactive**
  - b. Where are these found naturally? **Only in salts, not as a free element**
  - c. What is a common substance that alkali metals react vigorously with? **Water**
4. The vertical columns on the periodic table are called groups, how many groups are there on the periodic table? **18**
5. Are most of the elements on the periodic table classified as a metal or a non-metal? **Metal**
6. The horizontal rows on the periodic table are called periods, how many periods are there on the periodic table? **7**
7. How many elements belong to the Alkali Metal family? List the member elements by their symbol. **6 elements = Li, Na, K, Rb, Cs, Fr**