**Chemical Reactivity and Chemical Families Review**

1. Our notes discussed \_\_\_\_\_\_\_ groups in the periodic table. They are:
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Alkali metals:
   1. What is the group number?
   2. How many electrons are found in the outer shell?
   3. Are these metals reactive?
   4. Do these metals occur freely in nature? Why or why not?
   5. Name 3 characteristics of alkali metals.
   6. List 3 elements in this group from least reactive to most reactive.
3. Alkaline Earth Metals
   1. What is the group number?
   2. How many electrons are in the outer shell of this group?
   3. List 3 elements from this group.
   4. Name 3 characteristics for this group.
4. Chalcogens
   1. What is the group number?
   2. What is the other name of this family?
   3. How many valence electrons do these elements have?
   4. How does this group’s reactivity compare to other groups?
   5. Name 3 elements from this group.
5. Halogens
   1. What is the group number?
   2. How many valence electrons are there?
   3. Are these elements reactive?
   4. How are these elements found in their natural state? Why is that?
   5. Name 3 elements from this group in order from least reactive to most reactive.
6. Noble Gases
   1. What is the group number?
   2. How many valence electrons do elements in this group have?
   3. Are elements in this group reactive? Why or why not?
   4. Name 3 elements from this group.
7. Hydrogen
   1. How many valence electrons?
   2. Is Hydrogen reactive?
   3. What is special about Hydrogen?