Periodic Table

Name: _____
Per.___Date: _____

Use your periodic table to complete the following table.

Name	**Element Symbol**	**Atomic Number**	**# of Protons**	**Atomic Mass**	**Typical # of Neutrons**	**Period**	**Group**	**Metal, Nonmetal, or Metalloid**
Lithium								
Carbon								
Nitrogen								
Oxygen								
Silicon								
Argon								
Calcium								
Iron								
Iodine								
Gold								

1. What do you notice about the relationship between
   a. atomic number and number of protons?

   b. the number of protons and the number of neutrons?

2. What do you notice about the grouping of metals, metalloids, and non-metals in the periodic table?

3. Use your periodic table to give the names of the elements that have the following characteristics:
   a. period 5; 48 neutrons _____
   b. group 2, same number of protons as neutrons, fewer neutrons than potassium _____
   c. a metalloid with an atomic number greater than that of germanium, but less than that of krypton_____

Answer the following questions on the back of this paper.

4. What does periodic mean? Give an example of something that is periodic.
5. What do the columns and rows on the periodic table represent?
6. Where in the periodic table would you find five elements that have very similar properties?
7. What changes occur in the properties of elements as you move across a period from left to right? (remember your project presentations…)