**Periodic Table Quiz Review – Honors Chemistry**

1. List three general properties of nonmetallic elements.
2. What is the electron sea theory of bonding?
3. Why are metalloids used in computer chips?
4. Why don’t elements in the same period have similar properties?
5. How many valence electrons do the halogens have?
6. What are the names for each of the following groups of the periodic table?
7. Group 2
8. Group 18
9. 5f elements (89-102)
10. Explain why the atomic radius of elements increases as you move down a group in the periodic table.
11. Explain what the octet rule has to do with electronegativity and ionization energy.
12. What is a cation? How is it formed? What elements on the periodic table form cations with +2 charge?