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

**C3.1 – HW1 Chemical Bonding and Valence Electrons**

*Pages 229-226 (256-259) in Holt Book*

1. Identify the number of valence electrons in:
   1. A barium atom
   2. A bromine atom
2. Describe how valence electrons different from other electrons in the atom
3. Describe chemical bonding.
4. Explain how to use valence electrons to predict if an atom will form bonds.
5. Describe how an atom that has 5 valence electrons achieve a full set of valence

electrons.

1. Use the periodic table, to identify three elements whose atoms are not likely to form bonds. Explain why they will not bond.
2. State how many valence electrons fluorine has. Explain why fluorine will or will not form bonds.