**Chapter 8 Homework 1**

1. List five evidences of a chemical reaction
2. Distinguish between chemical change and physical change. Give examples of each
3. Distinguish between chemical property and physical property. Give an example of each
4. Write the symbol for: gas, liquid, solid, and aqueous solution
5. State the five general types of reactions and write a general equation for each
6. State the 7 diatomic molecules. Explain what is meant by “they are only diatomic in their elemental state—they are NOT diatomic in a compound.” Write the formulas for the following to show you understand this:
   1. Sodium chloride, magnesium chloride, aluminum chloride
   2. Carbon monoxide, silicon tetrafluoride, phosphorous tribromide