Chemistry I Can Statements

1. I can predict the type of chemical bonds formed by different elements and the energy changes that result.
2. I can compare chemical and physical properties of substances and other structural materials.
3. I can predict and evaluate the results of a chemical reaction including any factors that affect the reaction rate, equilibrium, or stoichiometry.
4. I can illustrate the changes that occur in the nucleus of an atom during a nuclear process.
5. I can demonstrate the proper application of the scientific method and be able to transfer these concepts to the laboratory environment.
6. I can read and comprehend science materials and write routinely over a range of discipline specific tasks, for a variety of purposes and audiences at an appropriate grade level.
7. I can recognize the role of science and technology in society.
8. I can use scientific concepts to analyze and/or construct solutions to real-world problems and evaluate the impact of those solutions on society and nature.