Chapter 1.3 Section Review Questions

\*\* Answer these questions using complete sentences on a separate sheet of paper. Please put your name neatly at the top of your paper. You will be turning these in. Whatever you do not finish is homework.\*\*

1. What is the difference between pure and mixed matter?
2. How are atoms and elements related?
3. How are compounds different from mixtures
4. What can you infer about the size of sugar particles that are dissolved in a mixture of sugar and water?
5. Why is it easier to remove the ice cubes from cold lemonade than it is to remove the sugar?
6. A unit of sulfuric acid is a molecule of 2 atoms of hydrogen, 1 atom of sulfur, and 4 atoms of oxygen. How many of each type of atom are there in 2 molecules of sulfuric acid?

Chapter 1.4 Section Review Questions

\*\* Answer these questions using complete sentences on the same sheet of paper as your 1.3 questions. Please put your name neatly at the top of your paper. You will be turning these in. Whatever you do not finish is homework.\*\*

1. What are the characteristics of the three familiar states of matter?
2. How can you change the shape and volume of a liquid?
3. How does gas behave inside a closed container?
4. What happens to a liquid that is not in a container?
5. What is the relationship between the temperature and the volume of a gas?
6. Can an oxygen canister ever be half empty? Explain.