Chapter 01– Learning Objectives and Study Questions

- What is chemistry?
- What is matter?
- What are the three physical states of matter? You should be able to describe properties of each of these states.
- What are physical properties? Chemical properties? You should be able to give examples of each type of property. You should also be able to identify a given property as physical or chemical.
- What are physical changes? Chemical changes? You should be able to give examples of each type of change. You should also be able to identify a given process as a physical or chemical change.
- You should be able to distinguish between elements, compounds, homogeneous mixtures and heterogeneous mixtures either by its formula, its description, its microscopic view, or the processes it undergoes.
- You must memorize the names and symbols of the elements on page 95 of your text. You need to spell the names correctly. You also need to match symbols and names.
- What is an atom? A molecule?