# Chapter 2

#### Learning Objectives:

* List your assessment/course learning objectives here in bullet point format.
* Sample objective 1
* Sample objective 2

**Directions:** List your specific directions here

**Project 1:**

What is a radioisotope? How can we use radioisotopes to determine the age of once-living organisms?

The periodic table groups elements according to their unique properties and characteristics. Identify as many of these characteristics as possible. For example, elements are grouped according to their chemical properties.

Name and describe the different types of bonds and interactions at exist between elements/molecules. Rank them according to strength.

What unique properties allow water to facilitate the processes necessary for life?

Orange juice and hydrochloric acid (HCL) are both acidic. Drinking a cup of OJ will not kill you but a cup of HCL will. Explain in detail, why?

**Project 2:**

Find the correct answers to the end of the chapter “Review Questions.” Note the page number on which you found the answer. Be prepared to share and explain your answers in a group setting.

**Project 3:**

Answer the end of the chapter “Critical Thinking Questions.”