**Name: Period: Date:**

**Focus Questions for Chapter 4.2-3 (Elements necessary for Life) due Tuesday, 10/22**

# Questions to answer as you watch the videos and/or read about the elements necessary for life. You will not be asked to turn these in, but Ms. Ransom may check to make sure you have completed them through a clicker quiz or short written response. You should be ready to discuss the answers during class.

1. What determines how an element will react chemically with other elements?
2. How many valence electrons does carbon have? What does this mean in terms of the types and numbers of bonds that carbon can form with other elements?
3. What is a covalent bond?
4. In what ways can the shape of a carbon molecule “skeleton” vary in order to produce different compounds?
5. What is a hydrocarbon and how does it react chemically with other molecules?
6. List all of the elements that are found in the biologically important chemical groups on pages 64-65.
7. List the seven different chemical groups that are important to life and tell what type of molecule(s) each one is found in.

**Questions I have, that I plan to ask about in class:**