

Chapter 2 The Chemistry of Life**Section Review 2-1****Reviewing Key Concepts**

Completion *On the lines provided, complete the following sentences.*

1. The nucleus, the center of the atom, is made up of _____ and _____.
2. The negatively charged particles in atoms are called _____.
3. Different isotopes of the same element have different numbers of _____.
4. Isotopes of the same element have the same chemical properties because they have the same number of _____.
5. In a(an) _____ bond, electrons are transferred between atoms.

Short Answer *On the lines provided, answer the following questions.*

6. Describe the two main types of chemical bonds that are found in compounds.

7. Explain how an atom becomes an ion.

Reviewing Key Skills

8. **Comparing and Contrasting** What are the similarities and differences between electrons and protons?

9. **Applying Concepts** What is the relationship between atoms and molecules?

10. **Inferring** What property of radioactive isotopes allows them to be used to determine the age of rocks and fossils?
