1. The simplest chemical units of matter are ________________.

2. When electrons are transferred from one atom to another (e.g., as in NaCl), and the two atoms unite as a result of the electrostatic attraction, an(n) _________ bond is formed.

3. If electrons are unequally shared between two atoms (e.g., as in H₂O), an(n) ____________ covalent bond occurs.

4. Enzymes act by lowering the ____________energy of a reaction.

5. If a substance has a pH that is less than 7, it is ________________.

6. During digestion, the disaccharide sucrose must be broken down into the monosaccharides _________ and fructose before absorption.

7. A fatty acid that contains multiple double covalent bonds in its carbon chain is said to be ____________________.

8. Biological catalysts (usually proteins) that control the rate of chemical reactions occurring in the human body are called _________________.

9. Identify one difference between the nucleic acids DNA and RNA.

10. The most important and abundant high-energy compound in cells is ________.

Bonus Question (Note: **100% is the maximum quiz score**):
Why is it life-threatening to have a high fever (Hint: it has to do with proteins)?