

# Chemistry of Life

## Exit Quiz –Student Edition

### I. Multiple Choice – Select the best answer.

- Which of the following is the best description of a covalent bond?
  - Two atoms sharing electrons so they can complete their outer (valence) shells.
  - The constant movement of electrons and the creation of charge imbalances which bonds two molecules together.
  - A proton is attracted to the electronegativity of another atom.
  - An atom loses one or more electrons to another atom.
- Why do atoms form ions?
  - To become negatively charged
  - To bond with other elements
  - To become positively charged
  - To complete their outer electron shells
- Which of the following is a pure substance that can't be broken down any further?
  - Compound
  - Element
  - Proton
  - Molecule
- The two regions found in the atom are called the \_\_\_\_\_.
  - Protons and neutrons
  - Electrons and nucleus
  - Nucleus and the electron shells
  - The electron shells and neutrons
- Which from the following bonds has the weakest bond strength?
  - Ionic bonds
  - Covalent bonds
  - Hydrogen bonds
  - They are all the same.