Biology of School Attendance Pre-Test

1. Which of the following is least soluble in water?
   1. Polar molecules
   2. Nonpolar molecules
   3. Ionic compounds
   4. Hydrophilic compounds
2. Which of the following is the term that describes any agent that causes disease?
3. Bacteria
4. Illness
5. Pathogen
6. Virus
7. Which of the following terms is described as a particle made up of nucleic acid, protein, and in some cases lipids that can replicate only by infecting living cells?
8. Bacteria
9. Illness
10. Pathogen
11. Virus
12. Which of the following do bacteria NOT contain?
13. Cell Membrane
14. Cell Wall
15. Nucleus
16. Ribosomes
17. Which of the following describes a way in which viruses can NOT be transmitted?
18. Airborne (coughing and sneezing)
19. Bodily fluids
20. Physical Contact
21. Sterilized materials

6. Which of the following is an example of the attractive force between two molecules of water?

a. Abrasion

b. Adhesion

c. Cohesion

d. Magnetic

1. All living things must maintain a stable balance of internal conditions. Which word describes this?

a. Autotrophic

b. Heterotrophic

c. Homeostasis

d. Phagocytic

8. What is the term that describes a solution when the solvent is water?

a. Aqueous

b. Hydrophilic

c. Hydrophobic

d. Saturated

1. Phospholipids make up the cell membrane. They are composed of a hydrophilic head and a hydrophobic tail. What does the term hydrophilic mean?

a. Water fearing

b. Water filled

c. Water loving

d. Water saturated

1. The cell theory states which of the following?

a. Cells are the basic unit of structure and function for ALL living things.

b. Cells are the building blocks of everything, abiotic and biotic.

c. Cells originated as a result of the big bang.

d. Cells are the basic unit of ONLY unicellular organisms.