

BIOLOGY PLACEMENT TEST

- There are **50** multiple choice questions
- The test is not timed
- It is recommended to review:
 - General biology terms
 - Cellular Structure
 - DNA
 - Proteins and Enzymes

SAMPLE QUESTIONS

1. A solution with pH 5.8 is best described as being?
 - a. highly acidic
 - b. slightly acidic
 - c. highly alkaline
 - d. slightly alkaline
 - e. neutral
2. You place a 1% salt solution inside a sac whose pores are too small to allow the solute to pass. You then place the sac in a beaker of 10% salt solution. What will be the resulting movement?
 - a. water will leave the sac by osmosis
 - b. water will enter the sac by osmosis
 - c. salt will leave the sac by osmosis
 - d. salt will enter the sac by osmosis
 - e. salt will enter the sac by facilitated diffusion
3. The building blocks of DNA are:
 - a. nucleotides
 - b. polypeptides
 - c. amino acids
 - d. glucose molecules
 - e. saturated fatty acids

4. If the temperature of a container containing a gas decreases, the pressure will:
 - a. Increase
 - b. Decrease
 - c. remain the same
 - d. cannot be answered with the information given

5. 24.0 milliliters equals ___ liters?
 - a. 0.024
 - b. 0.24
 - c. 24
 - d. 2,400
 - e. 24,000

6. You know that a certain drug is administered at 13 milligrams for every 100 pounds of body weight. How much of the drug do you give a person who weighs 120 pounds?
 - a. 10 milligrams
 - b. 13 milligrams
 - c. 15.6 milligrams
 - d. 1000 milligrams
 - e. 1560 milligrams

7. Which of the following equals 10^{-8} grams?
 - a. 8 grams
 - b. $\frac{8}{10}$ grams
 - c. $\frac{8}{1000}$ grams
 - d. $\frac{1}{100000000}$ grams
 - e. 100,000,000 grams

8. Which is the smallest measurement listed?
 - a. Micrometer
 - b. Millimeter
 - c. Decameter
 - d. Nanometer
 - e. Megameter

Answers:

1. b
2. a
3. a
4. b
5. a
6. c
7. d
8. d