

Test Yourself

— NOVEMBER 07, 2021 —

SEATWORK

- A. Multiple Choice. Choose the letter that corresponds to the correct answer.
1. Neutral fats, oils, and waxes are _____.
 - a. carbohydrates
 - b. lipids
 - c. nucleic acids
 - d. proteins
 2. Most enzymes are _____.
 - a. carbohydrates
 - b. lipids
 - c. nucleic acids
 - d. proteins
 3. The complex compound that carries the information needed to make proteins is _____.
 - a. carbohydrate
 - b. DNA
 - c. enzyme
 - d. lipid
 4. Carbohydrate is to glucose as _____.
 - a. fat is to oil
 - b. DNA is to RNA
 - c. hydrogen is to oxygen
 - d. protein is to amino acid
 5. Enzymes speed up chemical reactions by _____.
 - a. storing glycogen
 - b. repelling substrates
 - c. decreasing activation energy
 - d. increasing activation energy

6. One of the differences between DNA and RNA molecules is the absence of this nitrogenous base in RNA.
- a. adenine
 - b. cytosine
 - c. guanine
 - d. thymine
7. One feature of lipids is that these biomolecules _____.
- a. include cartilage and chitin
 - b. are composed of monosaccharides
 - c. serve as food reserves in many organisms
 - d. include fats consisting of one fatty acid molecule and three glycerol molecules
8. In the equation $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$,
- a. only H_2O is a compound
 - b. H_2 , O_2 , and H_2O are all elements
 - c. H_2 , O_2 , and H_2O are all compounds
 - d. H_2 , O_2 , and H_2O are all trace elements
9. Cellular pH is kept near a value of 7 because of _____.
- a. acids
 - b. bases
 - c. buffers
 - d. salts
10. The storage form of carbohydrates in animals is _____ and in plants it is _____.
- a. cellulose; glycogen
 - b. glycogen; cellulose
 - c. glycogen; starch
 - d. starch; glycogen