

SECTION 3-3 REVIEW

MOLECULES OF LIFE

VOYABULARY REVIEW Distinguish between the terms in each of the following pairs of terms.

1. monosaccharide, polysaccharide _____
2. hydrophilic, hydrophobic _____
3. nucleotide, nucleic acid _____

MULTIPLE CHOICE Write the correct letter in the blank.

1. Monomers attach and collect to form _____
 a. monomerization b. disaccharides c. polysaccharides d. complex regions
2. The different shapes and functions of different proteins are determined by _____
 a. the H groups of the amino acids they contain
 b. the amino groups of the amino acids they contain
 c. the carboxyl groups of the amino acids they contain
 d. whether or not they contain any amino acids
3. Most enzymes _____
 a. are changed by the reactions they catalyze
 b. increase the activation energy of the reactions they catalyze
 c. strengthen the chemical bonds in their substrates
 d. are sensitive to changes in temperature or pH
4. The large molecules of carbon-hydrogen-bonds in lipids _____
 a. make lipids polar
 b. store more energy than the carbon-oxygen bonds in other organic molecules
 c. allow lipids to dissolve in water
 d. are found in the carboxyl groups at the end of the lipid
5. The most important functions of nucleic acids is _____
 a. catalyzing chemical reactions
 b. forming a barrier between the inside and outside of a cell
 c. storing energy
 d. storing information needed for forming and growing organisms

Section 2review Modern Biology Answers

M Lipman



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