

**SECTION 3: BIODIVERSITY**

# MOLECULES OF LIFE

**SYNOPSIS 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. Glycogen, starch, and cellulose are

- a. monosaccharides    b. disaccharides    c. polysaccharides    d. simple sugars

\_\_\_\_\_ 2. The different shapes and functions of different proteins are determined by

- a. the R groups of the amino acids they contain    c. the carboxyl groups of the amino acids they contain  
b. the amino 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    c. strengthen the chemical bonds in their substrates  
b. increase the activation energy of the reactions they catalyze    d. are sensitive to changes in temperature or pH

\_\_\_\_\_ 4. The large numbers of carbon-hydrogen bonds in lipids

- a. make lipids polar    c. allow lipids to dissolve in water  
b. store more energy than their oxygen, oxygen bonds to other oxygen molecules    d. are found in the carboxyl groups of the end of the lipid

\_\_\_\_\_ 5. The most important functions of nucleic acids is

- a. catalyzing chemical reactions    c. storing energy  
b. forming a barrier between the inside and outside of a cell    d. storing information needed for forming and growing organisms

# Modern Biology Study Guide Section 4review

**IM Harris**



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Modern Biology James Howard Otto,1985     *Biology* Kenneth Raymond Miller,Prentice Hall (School Division),1999-02  
*Teacher's Guide to the Modern Biology Program* James Howard Otto,Albert Towle,Elizabeth H. Crider,1965     **Book**  
**Review Digest** ,1916     *Resources in Education* ,1997     Organizational Evolution and Strategic Management Rodolphe Durand,2006-04-25 I have no doubt this book will be read and used time and again by any scholar working within the evolutionary approach to organizations I believe that it will also be of great interest to strategy scholars Management Rodolphe Durand has a compelling message for the growing community of evolutionary researchers in organization studies Evolutionary researchers need to attend more carefully to historical and contemporary debates in the biological sciences if they are to avoid false tracks and simplistic analogies Durand offers here the foundations of a distinctive and authentic evolutionary theory that takes organizations seriously for what they are Richard Whittington Oxford University This book fills an important gap in the study of organizations and strategy from an evolutionary perspective It offers a synthetic approach to evolutionary analysis with grounded empirical examples that graduate students and seasoned scholars alike will find immensely useful Durand s OES model rooted in a critical examination of philosophical and scientific writings on evolution is particularly promising and provides a valuable guidepost for future research on organizations and strategic management Michael Lounsbury University of Alberta How is economic evolutionary theory in which organisations evolve according to environmental selection reconciled with evidence of strategic management This book is the first of its kind to propose a solution to this theoretical puzzle and engage readers in a balanced understanding of organizational evolution Rodolphe Durand embarks upon a fresh assessment of the literature His discoveries provide the foundation for a new theory of organizational selection and an organizational evolution and strategy model that reconciles economic evolution with strategic intentionality Chapters include an examination of the work by Lamarck Darwin and Spencer a constructive appraisal of evolutionary theory applied to organisations and a summary of how the organizational evolution and strategy model will affect future theory and research     *Catalog of Copyright Entries. Third Series* Library of Congress. Copyright Office,1973  
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