

Name Valentina Da Silva Period **Chapter 3: The Molecules of Life***Guided Reading Activities***Chapter Content: Organic Compounds**

Complete the following questions as you read the third chapter content—Organic Compounds:

- The element carbon is essential to an organic compound.
- Is this molecule an organic compound? Briefly explain your answer.

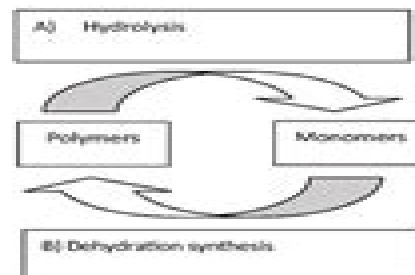


Yes, since there are carbon and hydrogen elements within the molecule.

- The oxygen atom in ethyl alcohol (the molecule pictured above) forms a polar covalent bond with the hydrogen atom. This causes the hydroxyl functional group ($-\text{OH}$) to have polarity (it is polar). Based on this, would you expect ethyl alcohol to readily interact with water? Briefly explain your answer. *Hint—Think back to the end of chapter two.*

A functional group is a hydroxyl group. Ethanol interacts with water because the hydroxyl group imparts polarity to the ethanol, which permits it to be attracted to water.

- Complete the following diagram using the following terms: dehydration reaction and hydrolysis.



Chapter 3 Guided Reading Answers

**Freda A. Adler, Adler, Gerhard O. W.
Mueller, William S. Laufer**



Chapter 3 Guided Reading Answers:

Bookwise Sharon Parsons,2001 Including both fiction and non fiction text types and genres this work is graded and organised into five cross curricular strands These full colour readers are accompanied by teacher s guides and resource sheets Resource sheets relate to the main Word and Sentence Level teaching points in the corresponding Guided Reading session Magruder's American Government Guided Reading and Review Workbook Student Edition 2003c William A. McClenaghan,2002-05-15 High School Hailed as a stellar educational resource for nearly a century Magruder s American Government is updated annually to meet the changing needs of today s high school students and teachers The program s engaging narrative is enhanced with numerous primary sources political cartoons charts graphs and photos making the structure and principals of government accessible and motivating to students of all abilities **Prentice Hall Physical Science Concepts in Action Program Planner National Chemistry Physics Earth Science** ,2003-11 Prentice Hall Physical Science Concepts in Action helps students make the important connection between the science they read and what they experience every day Relevant content lively explorations and a wealth of hands on activities take students understanding of science beyond the page and into the world around them Now includes even more technology tools and activities to support differentiated instruction Introduction to Networks and Networking, Workbook McGraw-Hill,2004-06

Geography Heidi Hayes Jacobs,1998 **Study Guide to Accompany Criminal Justice** Freda A. Adler,Adler,Gerhard O. W. Mueller,William S. Laufer,1993-11 **McGraw-Hill Reading [Grade 4]** ,2001 *Documents of the School Committee of the City of Boston* Boston (Mass.). School Committee,1918 **Documents** Boston (Mass.). School Committee,1918 **Annual Report of the School Committee of the City of Boston** School Committee of the City of Boston,1918 **School Document** ,1918 **Annual Report** Boston (Mass.). School Committee,1918 18 1905 include the Annual report of the superintendent of public schools *The Americans* McDougal-Littell Publishing Staff,2002-03-04

Reading to Learn in the Content Areas Judy S. Richardson,Raymond F. Morgan,2003 Book helps teachers promote reading for understanding and enable their students to become autonomous learners Combining discussion of theory with successful strategies and practical applications Richardson and Morgan show how to develop children s appreciation of reading as an active learning tool for every subject they study *Notes, Critical and Practical, on the Book of Exodus* George Bush,1871 Houghton Mifflin Reading : the Literature Experience : Level 4 : Dinosauring : Teacher's Book: 1993 ,1993 *The American Teacher* ,1891 Reading Aids for Every Class Ellen Lamar Thomas,1980 **Chemistry** James N. Spencer,George M. Bodner,Lyman H. Rickard,2002-02-28 The second edition of Spencer s Chemistry Structure and Dynamics has been the most successful reform project published for the General Chemistry course The authors have revised the text by building on the recommendations of the ACS s Task Force on the General Chemistry Curriculum and suggestions from the adopters of the first edition This innovative text provides a fifteen chapter introduction to the fundamental concepts

of Chemistry A collection of additional topics at the end of each chapter allow instructors to supplement and tailor their courses according to individual need Three major themes link the content of the book the process of science the relationship between molecular structure and physical chemical properties and the relationship between the microscopic and macroscopic levels **The American Journey** Joyce Oldham Appleby, Alan Brinkley, James M. McPherson, 2003

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