

Organic Molecules Review Worksheet | Chapter 2 (2.3 & 2.5)

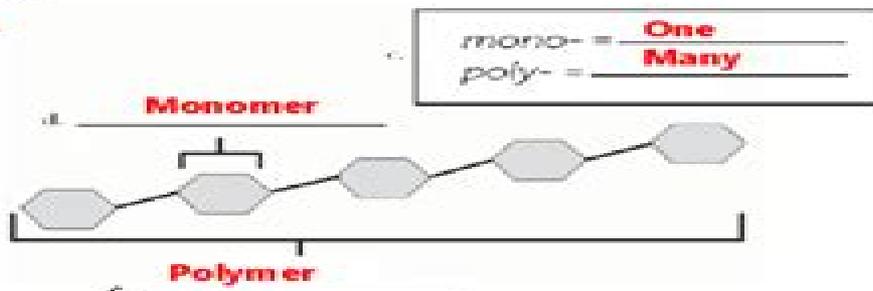
Carbon Based Molecules

- In terms of science, what does the term "organic" mean? Contains carbon, or carbon based,
- What is it about Carbon's atomic structure that makes it "the building block of life"?
It has 4 outer electrons (needs 8 to be full) so it can form up to FOUR BONDS.
- Name the four different types of organic molecules:

Carbohydrates	Lipids	Proteins	Nucleic acids
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- Define the following and label the following picture:

- Monomer: Smaller carbon based sub-unit
- Polymer: A chain of linked monomers



Carbohydrates

- List the 3 elements that make up carbohydrates:
 - Carbon
 - Hydrogen
 - Oxygen
- What is the ratio of these elements to one another? 1 : 2 : 1
 - If a carbohydrate had 8 carbon atoms, how many hydrogen & oxygen atoms would this carbohydrate contain?
I. Hydrogen: 16 II. Oxygen: 8
- Fill in the table for the three major polysaccharides and one monosaccharide used in biology:

Type of Carbohydrate Monomer or Polymer?	Where found?	Characteristics/Function
Sugar or Glucose or Fructose (Monomer)	Plants	Source of energy/food
Starch (Polymer)	Plants/Animals	Excess plant sugar that gets converted and stored
Glycogen (Polymer)	Animals	Specific starch found in the liver and muscles of animals- it is a readily available source of energy
Cellulose (Polymer)	Plants	A plant starch found in the cell walls, which help make the plant rigid

Biology Unit 1 Review Answers Organic Molecules

Michael T. Madigan



Biology Unit 1 Review Answers Organic Molecules:

Biology Eric Strauss, Marylin Lisowski, 2000 Quick Review Series for B.Sc. Nursing: 2nd Year - E-Book Annu

Kaushik, 2023-10-05 Quick Review Series QRS for BSc Nursing 2nd Year is an extremely exam oriented book The content has been developed and arranged in a manner that it covers the entire INC syllabus Each subject has been divided into units as per the weightage of marks in each unit It is illustrated very well with simple reproducible diagrams and flow charts To learn faster for examinations memory aides have also been given The book will help BSc Nursing 2nd year semesters III and IV students prepare for their examinations SALIENT FEATURES Content presented in well classified sections Compliant with the revised INC curriculum All question types asked in university exams addressed Long Essays Short Essays and Short Notes Clearly describes how to attempt a question in the exam Suitable number of tables and flow charts provided according to the need of the question SALIENT FEATURES Content presented in well classified sections Compliant with the revised INC curriculum All question types asked in university exams addressed Long Essays Short Essays and Short Notes Clearly describes how to attempt a question in the exam Suitable number of tables and flow charts provided according to the need of the question

Jacaranda Nature of Biology 2 VCE Units 3 and 4, LearnON and Print Judith Kinnear, Marjory

Martin, Lucy Cassar, Elise Meehan, Ritu Tyagi, 2021-10-29 Jacaranda Nature of Biology Victoria's most trusted VCE Biology online and print resource The Jacaranda Nature of Biology series has been rewritten for the VCE Biology Study Design 2022 2026 and offers a complete and balanced learning experience that prepares students for success in their assessments by building deep understanding in both Key Knowledge and Key Science Skills Prepare students for all forms of assessment Preparing students for both the SACs and exam with access to 1000s of past VCAA exam questions now in print and learnON new teacher only and practice SACs for every Area of Study and much more Videos by experienced teachers Students can hear another voice and perspective with 100s of new videos where expert VCE Biology teachers unpack concepts VCAA exam questions and sample problems For students of all ability levels All students can understand deeply and succeed in VCE with content mapped to Key Knowledge and Key Science Skills careful scaffolding and contemporary case studies that provide a real word context eLogbook and eWorkbook Free resources to support learning eWorkbook and the increased requirement for practical investigations eLogbook which includes over 80 practical investigations with teacher advice and risk assessments For teachers learnON includes additional teacher resources such as quarantined questions and answers curriculum grids and work programs

Brief Review Biology 96 Bertram Coren, 2000 *Campbell Biology Australian*

and New Zealand Edition Jane B. Reece, Noel Meyers, Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V. Minorsky, 2015-05-20 Over nine successful editions CAMPBELL BIOLOGY has been recognised as the world's leading introductory biology textbook The Australian edition of CAMPBELL BIOLOGY continues to engage students with its dynamic coverage of the essential elements of this critical discipline It is the only biology text and media product that helps students

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Let's Review G. Scott Hunter, Scott Hunter, 1995 A review for high school students of the core concepts of biology

Business Review, 2002 *Individualized Biology* Marvin Druger, 1997-09

Let's Review Biology-The Living Environment G. Scott Hunter, 2004-01-01 This high school classroom supplement to the main biology text prepares students in New York State to succeed on the Regents Exam It presents a subject review practice questions with answers and two complete Regents Biology Exam with answer keys When combined with Barron's Regents Exams and Answers Biology it provides students with the most comprehensive test preparation available anywhere Topics reviewed include ecology biological organization formation and structure of the ecosystem and the interaction between human beings and the biosphere

Biology Neil A. Campbell, Jane B. Reece, 2005 Neil Campbell and Jane Reece's BIOLOGY remains unsurpassed as the most successful majors biology textbook in the world This text has invited more than 4 million students into the study of this dynamic and essential discipline The authors have restructured each chapter around a conceptual framework of five or six big ideas An Overview draws students in and sets the stage for the rest of the chapter each numbered Concept Head announces the beginning of a new concept and Concept Check questions at the end of each chapter encourage students to assess their mastery of a given concept New Inquiry Figures focus students on the experimental process and new Research Method Figures illustrate important techniques in biology Each chapter ends with a Scientific Inquiry Question that asks students to apply scientific investigation skills to the content of the chapter

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Biology Joseph P. Chinnici, Bradley, 1996 *Technology Review*, 1960 *Biology; Introduction to Life* Alvin Nason, Philip

Goldstein,1969 **National Library of Medicine Current Catalog** National Library of Medicine (U.S.),1973 First multi year cumulation covers six years 1965 70 *Essential Biology* Neil A. Campbell,Jane B. Reece,Eric Jeffrey Simon,2007 Essential Biology is a brief non majors biology book that combines clear writing real world applications vivid art and powerful media to teach readers the important concepts of biology and give them an appreciation for how biology relates to their everyday lives In the Second Edition best selling authors Neil Campbell and Jane Reece are joined by Eric Simon who uses his experience teaching non majors biology to keep the book both accessible and up to date To help readers become informed citizens the new edition features even more human applications and up to date information on important issues like DNA technology cloning and global warming KEY TOPICS The book covers four major biological topics cells genetics evolution diversity and ecology and uses evolution as an overarching theme to tie all 20 chapters together For college instructors students or anyone interested in biology **Brock Biology of Microorganisms** Michael T. Madigan,2009 Three new chapters focus on the rapidly developing fields of archaeal and eukaryotic molecular biology biotechnology and immunology in host defense and disease Page viii Biology Cecie Starr,1994 This streamlined book distills biology s key concepts and connects them to the lives of students with numerous timely applications including compelling new vignettes at the beginning of each chapter Once again Starr created new remarkably clear illustrations to help explain complex biological concepts As with every new edition she continues to simplify and enliven the writing without sacrificing accuracy The author has done a major revision of each chapter so that there is extensive updating and organizational changes to enhance the text s flow As the following features indicate the major thrust of the new edition is to enhance accessibility and further stimulate student interest **Chapter Resource 3 Cell Structure Biology** Holt Rinehart & Winston,Holt, Rinehart and Winston Staff,2004 **Biology** Roderick A. Suthers,Roy A. Gallant,1973

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