



Fundamentals of Organic Chemistry

By John E. McMurry, Eric E. Simanek

Download now

Read Online 

Fundamentals of Organic Chemistry By John E. McMurry, Eric E. Simanek

Written for the short course-where content must be thorough, but to-the-point, FUNDAMENTALS OF ORGANIC CHEMISTRY, Sixth Edition, continues to provide an effective, clear, and readable introduction to the beauty and logic of organic chemistry. McMurry presents only those subjects needed for a brief course while maintaining the important pedagogical tools commonly found in larger books. With clear explanations, thought-provoking examples, and an innovative vertical format for explaining reaction mechanisms, FUNDAMENTALS takes a modern approach: primary organization is by functional group, beginning with the simple (alkanes) and progressing to the more complex. Within the primary organization, there is also an emphasis on explaining the fundamental mechanistic similarities of reactions. Through this approach, memorization is minimized and understanding is maximized. The sixth edition brings in new content that applies organic chemistry to students, for example all of the chapter openers have been changed and incorporate a model and photograph of an application of organic chemistry such as Taxol from the pacific yew tree. The book introduces a running application in the Interlude boxes and in the problems relating agricultural chemicals intended to unify the subject further for students. All of the problems have been reorganized by topic to make easier to assign and review. New problem categories have been added. The new problem categories are "In the Field with Agrochemicals" and "In the Medicine Cabinet" to reinforce the focus on applications.

 [Download Fundamentals of Organic Chemistry ...pdf](#)

 [Read Online Fundamentals of Organic Chemistry ...pdf](#)

Fundamentals of Organic Chemistry

By John E. McMurry, Eric E. Simanek

Fundamentals of Organic Chemistry By John E. McMurry, Eric E. Simanek

Written for the short course-where content must be thorough, but to-the-point, FUNDAMENTALS OF ORGANIC CHEMISTRY, Sixth Edition, continues to provide an effective, clear, and readable introduction to the beauty and logic of organic chemistry. McMurry presents only those subjects needed for a brief course while maintaining the important pedagogical tools commonly found in larger books. With clear explanations, thought-provoking examples, and an innovative vertical format for explaining reaction mechanisms, FUNDAMENTALS takes a modern approach: primary organization is by functional group, beginning with the simple (alkanes) and progressing to the more complex. Within the primary organization, there is also an emphasis on explaining the fundamental mechanistic similarities of reactions. Through this approach, memorization is minimized and understanding is maximized. The sixth edition brings in new content that applies organic chemistry to students, for example all of the chapter openers have been changed and incorporate a model and photograph of an application of organic chemistry such as Taxol from the pacific yew tree. The book introduces a running application in the Interlude boxes and in the problems relating agricultural chemicals intended to unify the subject further for students. All of the problems have been reorganized by topic to make easier to assign and review. New problem categories have been added. The new problem categories are "In the Field with Agrochemicals" and "In the Medicine Cabinet" to reinforce the focus on applications.

Fundamentals of Organic Chemistry By John E. McMurry, Eric E. Simanek Bibliography

- Sales Rank: #912984 in Books
- Published on: 2006-03-29
- Original language: English
- Number of items: 1
- Dimensions: 1.09" h x 8.04" w x 10.33" l,
- Binding: Hardcover
- 640 pages

 [Download Fundamentals of Organic Chemistry ...pdf](#)

 [Read Online Fundamentals of Organic Chemistry ...pdf](#)

Editorial Review

Review

1. Structure and Bonding; Acids and Bases. 2. The Nature of Organic Compounds: Alkanes. 3. The Nature of Organic Reactions: Alkenes. 4. Reactions of Alkenes and Alkynes. 5. Aromatic Compounds. 6. Stereochemistry. 7. Alkyl Halides. 8. Alcohols, Phenols, and Ethers. 9. Aldehydes and Ketones: Nucleophilic Addition Reactions. 10. Carboxylic Acids and Derivatives. 11. Carbonyl Alpha-Substitution Reactions and Condensation Reactions. 12. Amines. INTERLUDE: THE ROADMAP OF CHEMICAL REACTIONS. 13. Structure Determination. 14. Biomolecules: Carbohydrates. 15. Biomolecules: Amino Acids, Peptides, and Proteins. 16. Biomolecules: Lipids and Nucleic Acids. 17. The Organic Chemistry of Metabolic Pathways.

About the Author

John E. McMurry received his B.A. from Harvard University and his Ph.D. at Columbia University. He is a Fellow of the American Association for the Advancement of Science, and an Alfred P. Sloan Research Foundation Fellow. He has received several awards, which include the National Institutes of Health Career Development Award, the Alexander von Humboldt Senior Scientist Award, and the Max Planck Research Award. In addition to ORGANIC CHEMISTRY, he is also the author or coauthor of ORGANIC CHEMISTRY: A BIOLOGICAL APPROACH, FUNDAMENTALS OF ORGANIC CHEMISTRY, THE ORGANIC CHEMISTRY OF BIOLOGICAL PATHWAYS.

A new co-author, Eric Simanek of Texas A&M University, has expertise in both biochemistry and organic chemistry. Dr. Simanek received his B.S. Chemistry from the University of Illinois at Urbana-Champaign, and his M.S. and Ph.D. in chemistry from Harvard University, where his advisor was George M. Whitesides. He was most recently featured in the Journal of Chemical Education's October edition with an article on dendrimers. Dendrimers are polymers named for trees that show snowflake-like perfection. In 2000, Eric's group introduced dendrimers based on melamine. These architectures are unique in a variety of ways and subsequent reports from his group have addressed synthetic aspects of these architectures. He is also involved in improving science education the state of Texas.

Users Review

From reader reviews:

Rolanda Parker:

Do you have favorite book? If you have, what is your favorite's book? Book is very important thing for us to learn everything in the world. Each reserve has different aim or perhaps goal; it means that guide has different type. Some people experience enjoy to spend their a chance to read a book. They may be reading whatever they consider because their hobby is definitely reading a book. Consider the person who don't like reading through a book? Sometime, person feel need book whenever they found difficult problem or even exercise. Well, probably you will need this Fundamentals of Organic Chemistry.

Pamela Bost:

The feeling that you get from Fundamentals of Organic Chemistry will be the more deep you searching the

information that hide into the words the more you get enthusiastic about reading it. It doesn't mean that this book is hard to comprehend but Fundamentals of Organic Chemistry giving you thrill feeling of reading. The article author conveys their point in a number of way that can be understood by anyone who read the idea because the author of this e-book is well-known enough. This book also makes your current vocabulary increase well. Making it easy to understand then can go along with you, both in printed or e-book style are available. We recommend you for having this kind of Fundamentals of Organic Chemistry instantly.

David Gonzales:

Information is provisions for those to get better life, information these days can get by anyone on everywhere. The information can be a expertise or any news even restricted. What people must be consider any time those information which is from the former life are difficult to be find than now could be taking seriously which one works to believe or which one typically the resource are convinced. If you get the unstable resource then you obtain it as your main information you will have huge disadvantage for you. All those possibilities will not happen throughout you if you take Fundamentals of Organic Chemistry as your daily resource information.

Jesus Rhode:

This book untitled Fundamentals of Organic Chemistry to be one of several books in which best seller in this year, that's because when you read this guide you can get a lot of benefit into it. You will easily to buy this kind of book in the book retail outlet or you can order it by using online. The publisher of this book sells the e-book too. It makes you easier to read this book, because you can read this book in your Cell phone. So there is no reason to you personally to past this e-book from your list.

**Download and Read Online Fundamentals of Organic Chemistry By
John E. McMurry, Eric E. Simanek #1BKU5Q0WNZX**

Read Fundamentals of Organic Chemistry By John E. McMurry, Eric E. Simanek for online ebook

Fundamentals of Organic Chemistry By John E. McMurry, Eric E. Simanek Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Fundamentals of Organic Chemistry By John E. McMurry, Eric E. Simanek books to read online.

Online Fundamentals of Organic Chemistry By John E. McMurry, Eric E. Simanek ebook PDF download

Fundamentals of Organic Chemistry By John E. McMurry, Eric E. Simanek Doc

Fundamentals of Organic Chemistry By John E. McMurry, Eric E. Simanek Mobipocket

Fundamentals of Organic Chemistry By John E. McMurry, Eric E. Simanek EPub