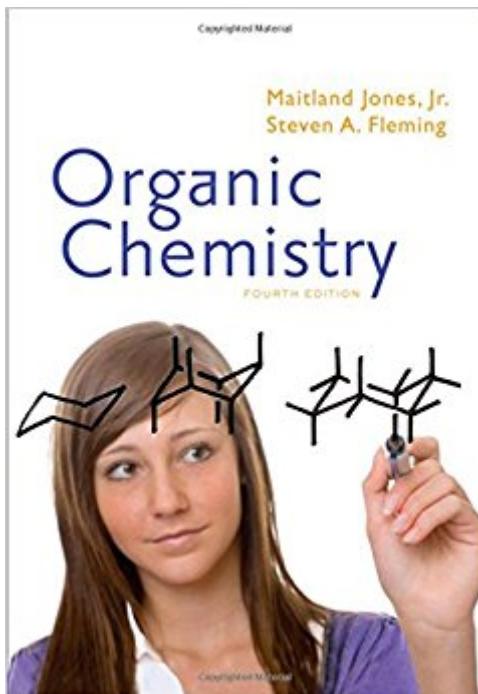


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Organic Chemistry (Fourth Edition)



Synopsis

Organic Chemistry helps students understand the structure of organic molecules by helping them understand the how and why of organic chemistry. Organic Chemistry, Fourth Edition, was written to students by two expert teachers, with an emphasis on understanding, not memorization. The authors employ a conversational writing style that is instructive and interesting to read. Jones and Fleming take the time to not only explain the basics but also coach students through the tough parts of the subject. They do this by pointing out common mistakes that students make and providing expert advice on solving problems. Whether a student reads the book from beginning to end, or uses the text as a reference, the authors have developed innovative pedagogy to meet their needs, and an art and media program to help students visualize each process.

Book Information

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Customer Reviews

I am very, very pleased with the format, content, and perspective this text offers. Thank you for the high quality of the book. -- Eric J. Sorin, student, Victor Valley CollegeI have started teaching the course and am extremely happy with Organic Chemistry. It is so pedagogical and so well put together! I think you have a winner with this one. I wouldn't be surprised if it becomes "the" organic chemistry text in colleges around the country in the near future. Word of mouth will help and I'm all for it. -- Gerald Hammond, University of Massachusetts-DartmouthI like this book! The writing is the clearest and most readable I've encountered. The illustrations leap off the page. It is very well done! -- Randy Robinson, Luther CollegeI would like you to know that I find Organic Chemistry to be very

easy to read and understand. This may not sound like a lot, but it is. Many texts are worded for the professors instead of the students and that is not much help for those of us who are trying to grasp concepts that are quite difficult. -- Sherry Carder, student, Glenville State College

Jones's conversational tone and evident! Good humor are well-suited to his aim of reducing organic chemistry to rational and recognizable patterns, all founded on a purely qualitative approach to molecular orbital interactions. Students are quickly led to a level of mechanistic analysis not found in other introductory texts. -- Bart Kahr, University of Washington

Maitland Jones's Organic Chemistry is an excellent text. It has a superb focus, a fresh approach, and an easy readability that would make it worthy of consideration by any organic instructor. -- Michael S. Holden, Dickinson College, Journal of Chemical Education, March 1998

Maitland Jones's Organic Chemistry is written in plain English, which makes it easy to understand. Its mechanistic approach is unprecedented and ought to eliminate rote memorization. -- Cosmos O. Okoro, University of Arkansas

Organic Chemistry is an absolute joy to use. Sometimes I find myself reading it just for the fun of it, and the students can't say enough good things about it. . . . Maitland Jones's special talent for selecting the topics, and most important, the right words and illustrations, make the whole text just dazzling in every respect.

-- James D. Morrison, University of New Hampshire

The coverage is excellent and I particularly like the way the author sets up arguments rather than just stating facts. The discussion of hydroboration typifies this very successful approach. -- J. M. Percy, University of Birmingham

[Organic Chemistry] is the most exciting undergraduate organic textbook I have seen during my 25 years of teaching organic. I had on occasion given some thought to writing a textbook for undergraduates Your own book comes closest to what I would have liked to write, and more. -- Moses K. Kaloustian, Fordham University

--This text refers to the Paperback edition.

Maitland Jones, Jr., is Professor of Chemistry at New York University. His undergraduate and graduate degrees are from Yale University. A long-time teacher of the organic chemistry course at Princeton, he is also an internationally recognized research scientist. His field of expertise is reactive intermediates, extremely short-lived molecules that exist only momentarily in the course of a chemical reaction. Within that subfield, Professor Jones is particularly interested in carbenes, carbon atoms with only two of their bond-forming electrons linked to other atoms, instead of the usual four. He is considered one of the world's leading authorities on this subject and travels widely, lecturing on his research.

Steven A. Fleming has been teaching organic chemistry for 30 years. He is Professor of Teaching and Instruction at Temple University in Philadelphia, PA. He earned his BS degree at the University of Utah and his PhD at the University of Wisconsin,

Madison. He taught at Brigham Young University (BYU) for 23 years before moving to Temple University in 2008. His research at BYU dealt with regio- and stereo-controlled carbon–carbon bond forming reactions. His research at Temple University is in the area of chemical education. He has been instrumental in the development of the teaching tools Organic Reaction Animations (ORA) and Bio-Organic Reaction Animations (BioORA). These tools have helped, and continue to help, students understand organic chemistry and biochemistry.

As you're probably aware, organic chemistry is a course that fills massive lecture halls with anxious students every year, most of whom aren't there because they want to learn organic chemistry. In that context, this book is exactly what I expected an organic chemistry book to be. It doesn't delve into things, intellectually toying with them and exploring them in challenging or fascinated detail. Rather, it gives an unsatisfying three-page coverage of the physics or theory behind a topic, spending the rest of the chapter on plug-and-chug rules and recipes. It does a good job of the latter, but doesn't leave you with a much of a deeper feeling of understanding chemistry. There were times when I felt the coverage was sufficiently deep, most often in purely organic topics. But coverage of topics like NMR coupling are treated as black magic, not discussed with the intention of the student understanding what's going on. Even a crash-course study guide I used covered quantum and physical chemistry topics like that in much greater detail. The metaphors given were also occasionally simple to the point of childishness, not promoting true understanding. Anecdotally, the figures were often rather ugly. For example, organic molecules were often drawn with 90-degree angles and explicit C's and H's. While I'm admittedly an undergrad with limited chemistry experience, I think this book is better for a typical organic chemistry course than for a student looking to truly, viscerally understand the topic.

This solutions manual is a lifesaver if you are using McMurry's textbook. When doing organic chemistry, the easiest way to learn it is through practice problems, but practice problems are not useful if you do not know when you get it right or wrong. If you choose to do problems in McMurry's textbook, you should definitely buy this study guide/solutions manual. It contains pretty in-depth explanations for the problems, and if you are not satisfied with one answer's explanation, you can easily look up a similar problem to look at its solution, because in all likelihood, it will provide more explanation on a confusing topic or idea. Rating: 5/5, definite buy.

If you have the textbook, might as well get this. This has solutions and additional explanations to

many homework problems. If you're taking ochem for the first time, and still weren't scared enough by others. You should be. This guide is great, I'd also like to tell people to check out youtube for more educational videos, and try to find perhaps another textbook (some old one). I had a really great teacher, but sometimes the same concept explained slightly differently will make all the difference.

I've seen quite a few organic chemistry textbooks, and this book is great for formulas, which are super important. They're summarized neatly in the back of each chapter and it helped me get As on my exams. I'd definitely recommend it even if it's not your college textbook! I transferred to a new school where they don't use this book and this book helped me way more than theirs ever could.

It's not a horrible book in the least, but if you want to learn from this book then you need to take the time to be invested in all the pages and make sure you understand every sentence. The chapters are super long. Solution manual is definitely needed as it gives you a lot more explanations. If I didn't have Jones as my professor then I could see how things could get dicey.

Just awesome, 

I thought the book was helpful for the most part. It did have some good diagrams and some insight as to the different concepts going on at the smallest levels of the organic chemistry world. Buying it on saved me a ton of money over buying the book at the campus bookstore. I would suggest looking on the internet sites as much as possible before buying from the campus bookstore.

Very nice solutions manual to an excellent text. The problems are explained in a very accessible step by step manner by a very gifter teacher.

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