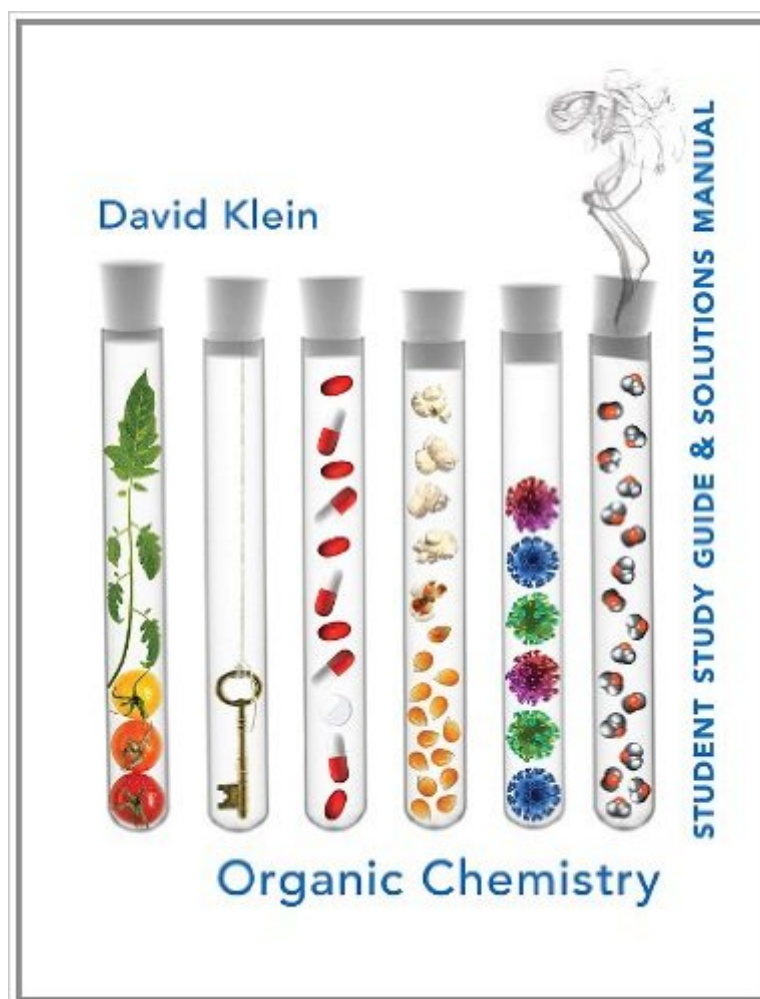


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Student Study Guide And Solutions Manual For Organic Chemistry



Synopsis

Students often say, "I studied 40 hours for this exam and I still didn't do well. Where did I go wrong?" Most instructors hear this complaint every year. In many cases, it is true that the student invested countless hours, only to produce abysmal results. Often, inefficient study habits are to blame. The important question is: why do so many students have difficulty preparing themselves for organic chemistry exams? There are certainly several factors at play here, but perhaps the most dominant factor is a fundamental disconnect between what students learn and the tasks expected of them. To address the disconnect in organic chemistry instruction, David Klein has developed a textbook that utilizes a skills-based approach to instruction. The textbook includes all of the concepts typically covered in an organic chemistry textbook, but special emphasis is placed on skills development to support these concepts. This emphasis upon skills development will provide students with a greater opportunity to develop proficiency in the key skills necessary to succeed in organic chemistry. As an example, resonance structures are used repeatedly throughout the course, and students must become masters of resonance structures early in the course. Therefore, a significant portion of chapter 1 is devoted to drawing resonance structures. Two chapters (6 and 12) are devoted almost entirely to skill development. Chapter 6 emphasizes skills that are necessary for drawing mechanisms, while chapter 12 prepares the student for proposing syntheses. In addition, each chapter contains numerous Skillbuilders, each of which is designed to foster a specific skill. Each skillbuilder contains three parts: 1. Learn the Skill : a solved problem that demonstrates a particular skill; 2. Practice the Skill: numerous problems (similar to the solved problem) that give the students an opportunity to practice and master the skill; 3. Apply the Skill: one or two more-challenging problems in which the student must apply the skill in a slightly different environment. These problems include conceptual, cumulative, and applied problems that encourage students to think out of the box. Sometimes problems that foreshadow concepts introduced in later chapters are also included. All SkillBuilders are visually summarized at the end of each chapter (Skillbuilder review), followed by a list of suggested in-chapter and end-of-chapter practice problems. David Klein is a lecturer at Johns Hopkins University where he teaches Organic and General Chemistry. He is a dynamic and creative teacher and uses analogy to help students grasp difficult topics. Klein's unique informal voice and manner of presentation help students truly master key topics in this course. He is also the author of Organic Chemistry as a Second Language and General Chemistry as a Second Language , which have both been highly successful.

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Customer Reviews

Having the solutions manual to go along is a must. Access to all the problems and answers as well as reviews of concepts and vocabulary is great. There are a lot of mistakes and errors but that is expected for a first edition I guess.

Buy the solution manual with the textbook; there are no solutions in the textbook itself. It is well written, easy to understand, however the errata of the 1st edition are somewhat annoying - there are just too many. Also Chapter 7 and 8 (Substitution and Elimination reactions) are composed in a very confusing way. Hopefully that will change in future editions, as this is one of the better Organic Chemistry textbooks.

I love David Kleins Textbook, it is so wonderfully written and the problems are applicable and clear, that the solutions manual is an absolute necessity for any organic chemistry student. I teach Organic Chemistry in high school and I do use the problems for my higher level students.

Obviously, this goes with the textbook. David Klein's materials for OChem are fantastic. If your teacher isn't using his books, you should get them anyway. Now go buy Organic Chemistry as a Second Language, and get to practicing!

Has some errata, but the textbooks companion website has a list of the errors. This is the workbook and study guide. The textbook and this book are great for self instruction.

This book contains the answers to all of the skillbuilders and problems from its companion textbook. Additionally, there is a bit of review for each chapter at the beginning of each section with fill in the blank definitions and problems. (These are essentially extracted from the textbook with a few blanks added, so they are easy to check). If you are going to be using Klein's Organic Chemistry textbook, I would strongly recommend this book because the textbook does not have any answers and in order to learn, you're going to want the answers so you know you're doing everything right! Orgo can be a tough subject, but with the multitude of problems Klein provides, orgo was a breeze for me - but only because I had this book at my side always. The solutions themselves are generally comprehensive. However, on certain occasions (not always!), there aren't any explanations for a multiple choice-type question where I would have liked them. Besides this, though, this solutions manual is excellent in every way and works perfectly with the textbook. If I could rank in half stars, I would definitely give it a 4.5. But because of the answers that are sometimes lacking, I ranked it 4 stars.

This solutions manual is a must for any organic chemistry student. Although the homework should be done without it, sometimes a tip as to what the solution should be is super helpful. This book diagrams mechanisms out gives an answer for every problem.

Dr. Klein's book, "Organic Chemistry," is amazing enough on its own. There are a lot of exercises in the book, and absolutely no solutions whatsoever. There aren't even answers to odd-numbered problems, which isn't always typical of college texts. Even though Dr. Klein teaches the skills, a student still needs the ability to check his or her own work. The solution manual is excellent for this. It coincides with the book, extraordinarily well. The reviews that conclude each chapter of the text, become "fill in the blank" style questions in the solutions manual/study guide. The solutions manual has every single problem, worked out, and explained clearly (when needed). Typos are scattered throughout the book. Fortunately, they're usually really minor, and they are fairly spread-out. The shipping through was incredibly fast. I got my order a day earlier than I had expected, and the book was in perfect condition. There was not a SINGLE sign of ANY wear.

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