

PREFACE

To learn organic chemistry, you must see and understand the recurring patterns that correlate the thousands of facts that will be presented during your studies. Working the exercises in the textbook is one way to learn this factual material, and many of the exercises will comprise a familiar repetition of problems for which the solution has been presented and described in the Examples appearing throughout the text. Some of the exercises, however, especially those at the ends of the chapters, will force you to recall information from earlier chapters. Others will ask you to recall the facts in a different format. Still others will require you to draw analogies with what you know, and then to predict the solutions to problems that you have never seen previously. I cannot stress strongly enough that you should work problem after problem after problem if you want to master this subject.

This *Solutions to Exercises* book has the answer to every exercise that appears in the textbook. In many instances, the approach needed to work toward the answer is also included along with the factual solution. Note that many of the synthesis and spectroscopy problems either have multiple solutions or can be solved by alternate approaches. Just because your answer or strategy is different from the one presented in this book, do not assume that you have made a mistake. Talk to your instructor and find out if your solution is equally valid.

The first edition of *Solutions to Exercises* was originally prepared with significant help from Julius Beau Lucks, an undergraduate student at UNC who received a Churchill Scholarship after graduation and is currently a graduate student in Chemistry at Harvard University. Beau worked every exercise in the first edition and checked their solutions. Subsequent groups of students during the past five years have worked many of the same exercises, so many of the errors have been corrected. This second edition was copyedited and checked by Christine Cleveland, an undergraduate English major who worked as a professional copy editor for several years before she returned to school to take organic chemistry so that she could attend medical school. (She started at the UNC-CH School of Medicine in the fall semester of 2005.)

A mistake in the solution to an exercise is such a frustrating matter when you are trying to learn a new subject, and the last thing I want to do is to add uncertainty to your growing understanding. So as with the textbook itself, if you find factual errors or discussions that are confusing, please let me know (sorrell@unc.edu) so that I can post a correction and make changes before subsequent printings.

Enjoy your study of organic chemistry—it is a fascinating subject!

Thomas Sorrell
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