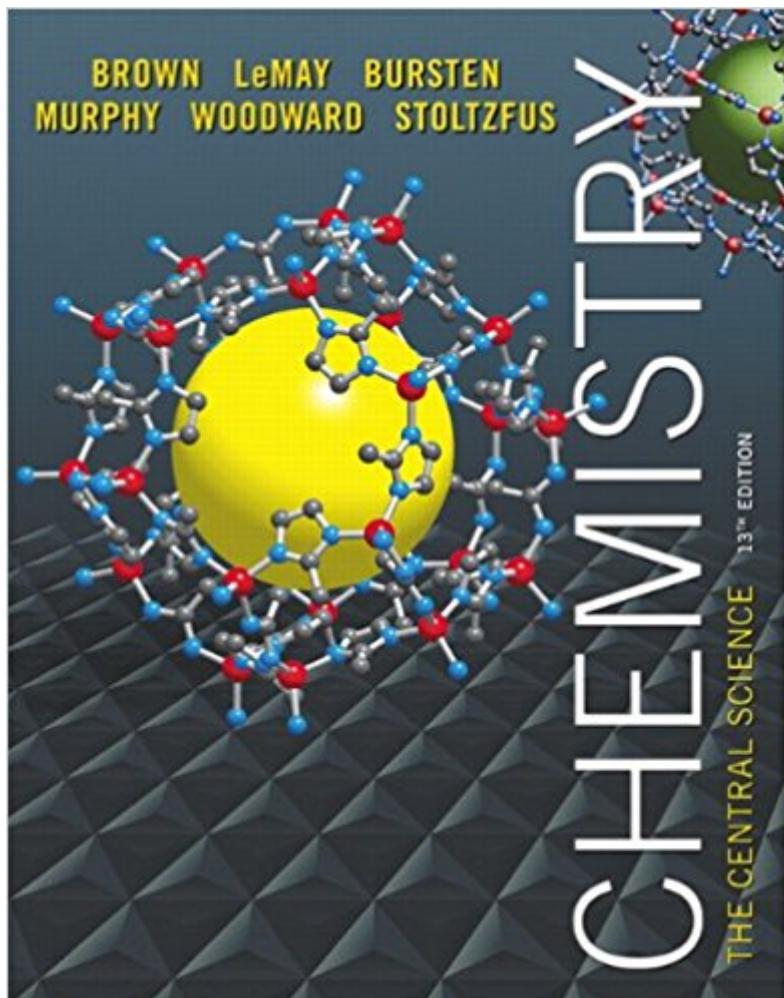


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# Chemistry: The Central Science (13th Edition)



## Synopsis

The trusted, innovative, calibrated leaderâ “now tightlyâ “integrated with MasteringChemistryÂ® . Â Unrivaled problems, notable scientific accuracy and currency, and remarkable clarity have made Chemistry: The Central Science the leading general chemistry text for more than a decade. Trusted, innovative, and calibrated, the text increases conceptual understanding and student success in general chemistry by building on the expertise of the dynamic author team of leading researchers and award-winning professors. Â The new Thirteenth Edition builds on the Twelfth Editionâ “s major revision, in which every word and piece of art was scrutinized by all the authors to increase its effectiveness. Placing a greater emphasis on research, this edition is more tightly integrated with MasteringChemistry, the leading online homework, tutorial, and assessment programâ ” resulting in an unparalleled teaching and learning package that personalizes learning and coaches students toward understanding and mastery of tough chemistry topics. Â This program presents a better teaching and learning experienceâ ”for you and your students. It provides: Superior support beyond the classroom with MasteringChemistry: Students benefit from personalized, interactive learning through MasteringChemistryâ “s self-paced tutorials that guide them through the textâ “s most challenging topics; provide immediate, specific feedback; and keep students engaged and on track. Enhanced learning from a dynamic author team of leading researchers and award-winning professors: Each member of this well-respected author team brings their expertise in a wide range of areas to the pages of this popular text. All authors have been active researchers and have taught general chemistry for many years.Â Improved conceptual understanding through stepped up, relevant pedagogy: Students get numerous opportunities to test their knowledge through Give It Some Thought (GIST) exercises, Go Figure questions, and A Closer Look essays, now integrated with clicker questions and in MasteringChemistry. Invaluable aids that ensure problem-solving success:Â By using a consistent process, a unique Analyze/Plan/Solve/Check format, dual-column problem-solving approach in certain areas, a new practice exercise following each worked example, and the Strategies in Chemistry feature, students are placed on the right path from the very start to excel at problem solving and comprehension. Clarity through visualization from a variety of perspectives, including macroscopic, microscopic, and symbolic: Included are Visualizing Concepts exercises, with models, graphs, and other visual materials; sample exercises with molecular illustrations; and conceptual questions in the end-of-chapter questions. Note: You are purchasing a standalone product; MasteringChemistry does not come packaged with this content. If you would like to purchase both the physical text and MasteringChemistry search for ISBN-10: 0321864409/ISBN-13: 9780321864406. That package

includes ISBN-10: 0321910419/ISBN-13: 9780321910417 and ISBN-10: 0321934245/ISBN-13: 9780321934246. MasteringChemistry is not a self-paced technology and should only be purchased when required by an instructor.

## Book Information

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## Customer Reviews

I wrote the review below for the previous edition (9), and having seen the tenth edition, most of my subjects of complaints and praises pretty much remain the same. First off, having maintained contact with my freshman year chem prof, I have to say that she still tells the students that they can easily get away with buying the previous edition. Interestingly enough, back when I was taking the course and the 10th wasn't even released yet, she told us we can get away with using the 8th. I have not seen the 8th though, so no comments on that. So it seems as if there are no major overhauls from the 8th-10th editions as far as my prof's concerned. I say this is a solid text primarily because of the glut of problems for you to practice on, and the nice flow of information through the chapters. The text is written with clarity in mind, and with clarity it does convey its topics. With well-placed worked sample problems and excellent charts and diagrams, this is a great book to have in hand if you're taking a college-level chemistry course. However, this book has its limitations in that there are several topics that are covered at the college level that are not really expounded on by the book. For example, the text gives a half-page introduction on semiconductors and how electron excitation works in semiconductors ; we did one full lecture on it. Furthermore, some of the problems that hit you in the form of the professor's custom-made, self-written problem sets occasionally involve problem solving methods that are not even covered in the book. I experienced a fair share of this when I saw application questions that involved a lot more variables than any of the book's questions

involved.

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