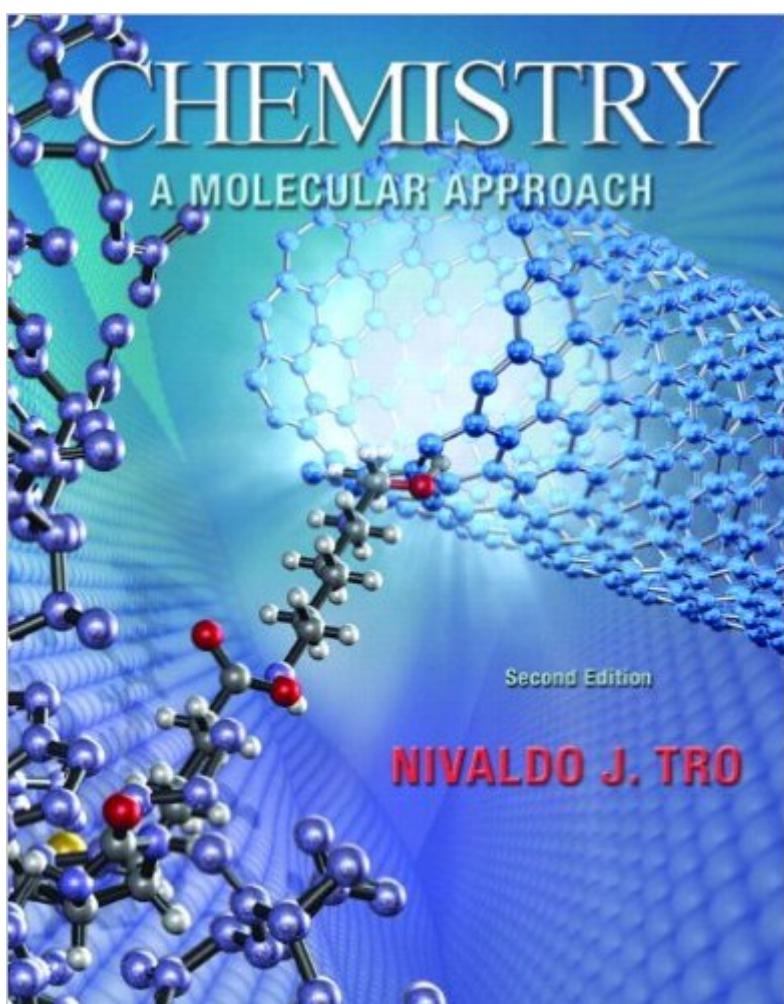


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Chemistry: A Molecular Approach With MasteringChemistry® Access Code (2nd Edition) (MasteringChemistry Series)



Synopsis

This innovative text explains difficult concepts in a relevant, student-oriented manner. Chemistry is presented visually through multi-level images—“macroscopic, molecular and symbolic representations”—helping you see the connections among the formulas (symbolic), the world around you (macroscopic), and the atoms and molecules that make up the world (molecular). Among other revisions, the Second Edition offers a crisp new design, adds more challenging problems, and significantly revises coverage of electrochemistry. Used by over a million science students, the Mastering platform is the most effective and widely used online tutorial, homework, and assessment system for the sciences.

Book Information

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Average Customer Review: 4.2 out of 5 stars—See all reviews (434 customer reviews)

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Customer Reviews

This is a new textbook for general chemistry. Yes, there are quite a number of general chemistry texts and they all cover roughly the same general material. They differ more in how they organize the material, illustrate it, and their method of helping the student develop a solid understanding and command of this basic material. The student not only needs to learn the basic facts of chemistry, she needs to learn how to think about it so when she looks at the world, she can see and understand the issues as they relate to this vital science. Dr. Tro begins this book by explaining how the text was developed and provides instructions for the student on how to make the most of the book. I liked this a great deal. He starts the book by providing what he thinks is the most important scientific idea in all of human knowledge: "the properties of matter are determined by the properties of molecules and atoms". From there he builds all the principles taught in general chemistry. He also

define chemistry as: "the science that seeks to understand the behavior of matter by studying the behavior of atoms and molecules". Each chapter is organized in a similar fashion and a great deal of emphasis is placed on making the illustrations demonstrate a principle - a process - rather than an isolated picture. Tro also has interesting articles of chemistry in various fields in different chapters and he often introduces ideas with practical issues that will likely matter to the student. For review, at the end of each chapter he goes over the key concepts taught, the key equations and relationships discussed, and the key skills that the student is expected to have learned. He provides exercises to test one's mastery of the material that the student can answer for himself.

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