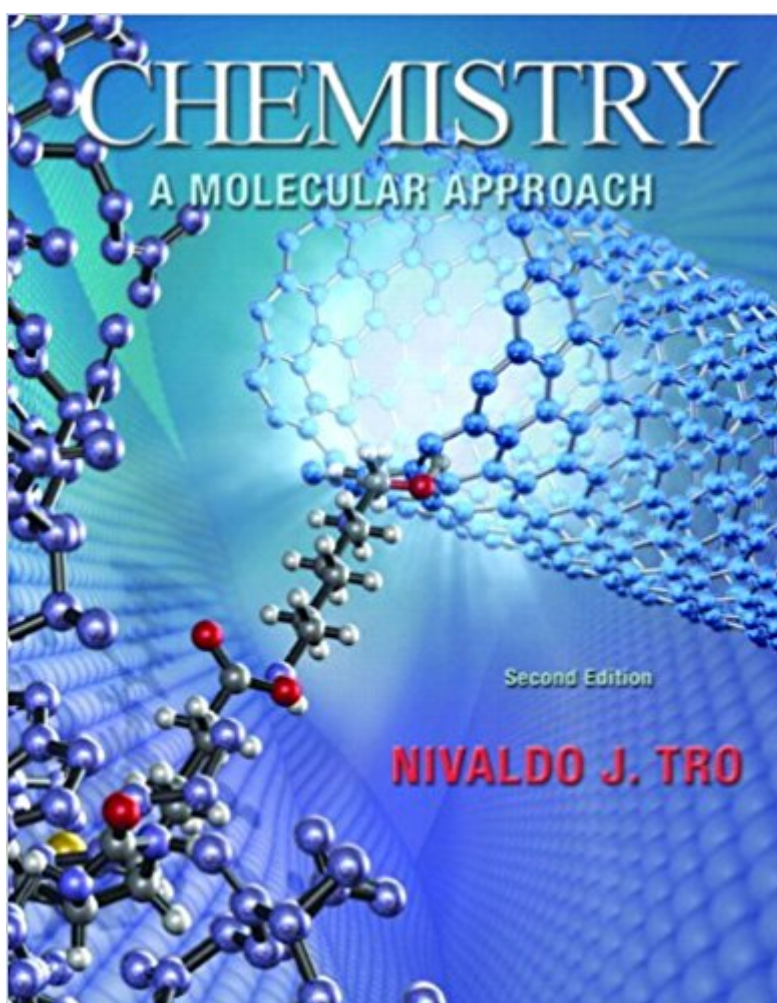




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# Chemistry: A Molecular Approach With MasteringChemistry® Access Code (2nd Edition) (MasteringChemistry Series)



## 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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## Customer Reviews

The author's goal in writing this book is to deliver the depth of coverage faculty want with the accessibility and clarity that students need for success. Nivaldo J. Tro's *Chemistry: A Molecular Approach with MasteringChemistry*®, 2/e explains difficult chemical concepts in a concise and clear student-centered manner while also providing faculty with the flexibility to go more deeply into many key, often neglected, topics such as electron diffraction, molecular orbital theory, and free-energy changes under non-standard conditions. Chemistry is presented visually through multi-level images (macroscopic, molecular and symbolic representations), which helps students see the connections among the formulas (symbolic), the world around them (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. Matter, Measurement, and Problem Solving; Atoms and Elements; Molecules, Compounds, and Chemical Equations; Chemical Quantities and Aqueous Reactions; Gases; Thermochemistry; The Quantum-Mechanical Model of the Atom; Periodic Properties of the Elements; Chemical Bonding I: Lewis Theory; Chemical Bonding II: Molecular Shapes, Valence Bond Theory, and Molecular Orbital Theory; Liquids, Solids, and Intermolecular Forces; Solutions; Chemical Kinetics; Chemical Equilibrium; Acids and Bases; Aqueous Ionic Equilibrium; Free Energy and Thermodynamics; Electrochemistry; Radioactivity and Nuclear Chemistry; Organic Chemistry; Biochemistry; Chemistry of the Nonmetals; Metals and Metallurgy; Transition Metals and Coordination Compounds. A comprehensive reference for chemistry professionals.

Nivaldo Tro is Professor of Chemistry at Westmont College in Santa Barbara, California, where he has been a faculty member since 1990. He received his Ph.D. in chemistry from Stanford University, for work on developing and using optical techniques to study the adsorption and desorption of molecules to and from surfaces in ultrahigh vacuum. He then went on to the University of California at Berkeley, where he did post-doctoral research on ultra-fast reaction dynamics in solution. Since coming to Westmont, Professor Tro has been awarded grants from the American Chemical Society Petroleum Research Fund, from Research Corporation, and from the National Science Foundation to study the dynamics of various processes occurring in thin adlayer films adsorbed on dielectric surfaces. He has twice been honored as Westmont's outstanding teacher of the year and has also received the college's outstanding researcher of the year award. Professor Tro lives in Santa Barbara with his wife, Ann, and their four children, Michael, Ali, Kyle, and Kaden. In his leisure time, Professor Tro enjoys reading good literature to his children and being outdoors with his family.

I have just bought this brand new 3rd edition and compared it with my 1st edition. They are almost exactly the same, even down to the page numbers. This is an old scam by textbook publishers, but usually they will at least change around the table of contents and put in new diagrams, photos and tables. Not so with this title. And if the 1st and 3rd editions are almost exact copies, then I'm sure the 2nd edition would be fine too. Also, do not think that you need to buy the "Custom Edition" for your school, it's just the campus bookstore's and publisher's way of keeping you off and charging you double for an already overpriced book.

This is a good chemistry book for anyone in an AP chemistry or college chemistry setting for those

taking their first Chemistry course in a post secondary school setting. I have seen a better book for this topic but this book does serve its purpose and I would recommend using it consistently especially if this is assigned in your course. The explanations are fairly straight forward and examples are numerous throughout the book. If you follow this book there is absolutely no reason why you shouldn't get an A in the course you are taking unless your teacher decides to digress to more advanced topics such as Organic Chemistry.

Textbook came slightly damaged and some pages were bent and ripped (it seemed like a manufacturing error due to the fact that the pages were larger than the rest) but I received them quickly and at an amazing price. Renting this textbook is worth it.

My book came in at the due date with that brand-new smell and look. All the pages are intact and nothing is missing. No highlight or pencil marks in the textbook either. Although this purchase costed my mom \$280, what she bought was more than just a normal textbook—she spent \$280 to invest in my future (jk, she just wants me to pay her back \$5000 for every 1 cent she spends on me...typical parent). xD

Fast Shipping. Excellent quality product. Highly Recommend.

Fantastic deal! Book arrived quickly and is in great shape.

Its a good book, and you can clarify the lecture notes with it. The read is easy and has practical examples which helps.

This chem class was great because that it used a molecular approach. I felt it made visual models more easy to follow. My understanding of chemistry has improved from using this text versus others. Tables are very useful for summarizing information and text is linearly organized and easy to follow. Also this is the best price anyone in my class got for the text. I am amazed by the price. However I was VERY disappointed with the shipping. It took weeks for it to get here despite being shipped from the U.S and arrived on the last date of the guaranteed shipping date which was provided after purchase. Probably my bad for not reading more clearly, though.

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