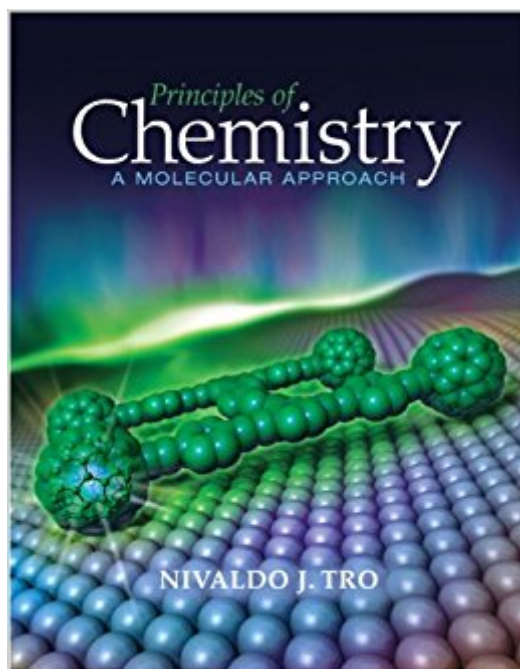


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Principles Of Chemistry: A Molecular Approach



Synopsis

Great chemistry comes in small packages—and this brief new volume helps readers discover the excitement and relevance of chemistry. In this innovative book, acclaimed author Nivaldo Tro focuses exclusively on the core concepts of general chemistry without sacrificing depth or relevance. A unique integration of macroscopic, molecular, and symbolic illustrations help readers visualize the various dimensions of chemistry; and Tro's engaging writing style captures the reader's attention with relevant applications. *Mastering Chemistry* walks readers through problem solving, while promoting understanding of chemistry concepts in the world around us. 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. A useful reference for anyone who needs to increase his or her knowledge of general chemistry.

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Customer Reviews

Nivaldo Tro is a 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 postdoctoral research on ultrafast 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 been honored as Westmont's outstanding teacher of the year three times and has also received the college's outstanding researcher of the year award. Professor Tro enjoys surfing, biking, being outdoors with his family, and reading good books to his children.

Generally, this book is good and cheap compared with other chemistry textbooks. However, it also contains a lot of mistakes compared with other textbooks. Since this is a chemistry book, those mistakes are unacceptable, but most of them are in the answer key. The best thing you can do when solving problems of this textbook is checking it with your classmates or your instructors. Warning: This book provides a definition about the valence electrons which I can't say it's totally wrong but it is different from the other textbooks. YOU have to check with your instructor about this before you do any tests. FYI, I got hard cover version of this book with only \$33 including shipping fee. Overall, I can tell that your chemistry knowledge will not be violated if you use this textbook even though there are some mistake. For someone who studies at EVC, you will save some money if you buy this and study Chem 1A and Chem 1B, but it doesn't have chapter 24 which is used in Chem 1B (just one chapter). If you just need Chem 1A, you should buy the customized version sold at the bookstore.

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