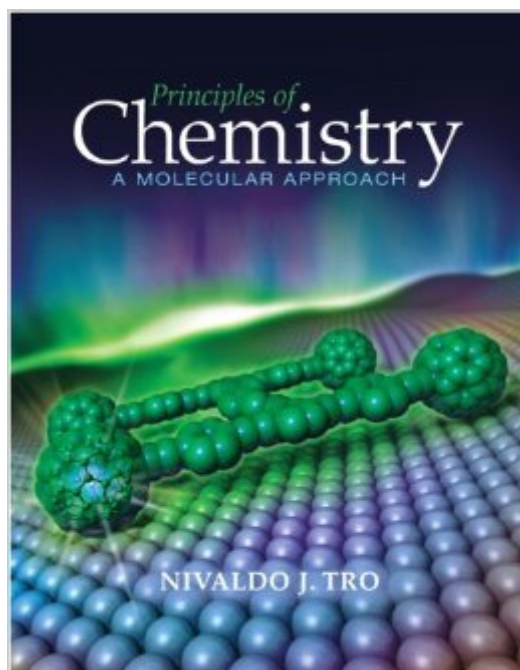


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# Principles Of Chemistry: A Molecular Approach



## Synopsis

Great chemistry comes in small packagesâ” and this brief new volume helps readers discover the excitement and relevance of chemistry. In this innovative book, acclaimed author Niva Trof 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 Trof'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.

## Book Information

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Not the worst textbook, but this is a prime example of why education fails students with an interest. The guilty party isn't always the writer(s) either. Do you need to cram for chemistry? Guess what? The cramming didn't begin with you; it started with either those who standardize tests or curriculae and flows into texts (like this) and syllabi crammed full of content every term and every year. When you use a text like this for a class, you should be asking what's wrong with a world that expects people to cram for exams, cram too much info into one text, one term, etc. --then forget much of it, only to use the internet to "remember" it later on IF one gets a degree in science. For those who fail to get a science degree: it's not entirely your fault; it's a societal problem. Exhibit A is here: a course designed around Tro Chemistry. Good luck.

This book is well written and easy to understand without "dumbing down" the content. Good examples that make you understand Chemistry. Good amount of text vs sidebar info to keep you reading. Good use of questions with answers to test your reading of sections. Very nice binding,

paper and size for a textbook. Thank you! I bought the older version because it was inexpensive and covered the same material, i.e. Chemistry. My daughter is using a newer version of this book at one of the top 5 engineering schools in the US.

I saved some major cash by buying this book online compared to purchasing it in the school book store at JCC in Louisville KY. I am going to try and purchase all of my books from in the future.

compared to other chemistry textbooks I have, this one is lighter, cheaper and by far the most organized and easiest to read and understand. All of the important topics are clear and recognizable and so are the practice and sample problems

Product arrived on time. I wish that it didn't have as much writing and highlighting in it, but that is OK. Overall very pleased that it arrived in a timely manner. Thank you! Will certainly buy from you again.

I bought this book for my Inorganic Chemistry class. I like it, but think it could be written in a more step-by-step fashion, teaching all the basics before building up to the hard stuff. It works perfect for those who are already familiar with chemistry, but for those who have not ever been introduced to it, I would recommend they try another book.

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