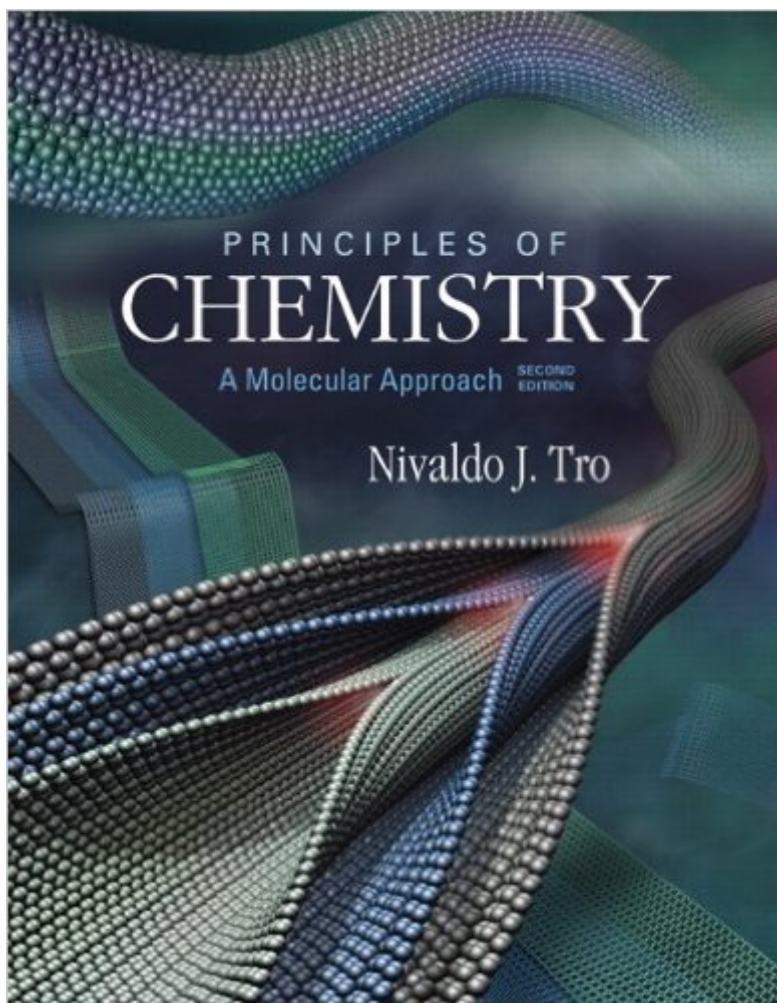


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# Principles Of Chemistry: A Molecular Approach, 2nd Edition



## Synopsis

Adapted from Nivaldo J. Tro's best-selling general chemistry book, *Principles of Chemistry: A Molecular Approach* focuses exclusively on the core concepts of general chemistry without sacrificing depth or relevance. Tro's unprecedented two- and three-column problem-solving approach is used throughout to give students sufficient practice in this fundamental skill. A unique integration of macroscopic, molecular, and symbolic illustrations helps students to visualize the various dimensions of chemistry; Tro's engaging writing style captures student's attention with relevant applications. The Second Edition offers a wealth of new and revised problems, approximately 50 new conceptual connections, an updated art program throughout, and is available with MasteringChemistry®, the most advanced online tutorial and assessment program available.

Â This package contains: *Principles of Chemistry: A Molecular Approach*, Second Edition

## Book Information

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Average Customer Review: 4.2 out of 5 starsÂ Â See all reviewsÂ (434 customer reviews)

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## Customer Reviews

This is a new textbook for general chemistry. Yes, there a 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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