



Principles of Chemistry

By Michael Munowitz

[Download now](#)

[Read Online](#) 

Principles of Chemistry By Michael Munowitz

"Can Munowitz write or what!" exclaimed one advance reviewer of this extraordinary new text.

Read a few pages, and you'll see what all the excitement is about. Intended primarily for college freshmen, this exceptionally lucid, carefully paced, elegantly designed, well-illustrated volume will appeal to curious readers of any age who want to know more about the innermost workings of the "central science." In the words of another advance reviewer, the Munowitz book "reveals the beauty of chemistry in an unusual, graceful, narrative style. Compared with standard textbooks, it is poetic." This book is unusual in several respects. Perhaps the most obvious, at first glance, is the distinctive pattern of white and gray stripes that appear when you view its pages edge-on. The striped pattern is a superficial manifestation of a novel's internal structure. Unlike a standard chemistry textbook, in which each chapter is fragmented into a hodgepodge of disparate parts--text, boxed features, worked exercises, solved and unsolved problems, in-chapter and end-of-chapter summaries, miscellaneous decorative elements-- each chapter in *Principles of Chemistry* has a much simpler organization: an uninterrupted narrative core (white pages), followed by a Review and Guide to Problems section (gray pages). In short: principles first, then practice. The tutorial, problem-solving sections at the ends of the chapters amount, in effect, to a built-in study guide, thus obviating the need for a separate volume of this type. In addition, the long run of predominantly white pages at the back of the book consists, for the most part, of an unusually complete set of appendices devoted to such important matters as nomenclature, mathematics, assorted tables, and a glossary. Taken just by themselves, then, the white pages that constitute the first, narrative parts of the book's 21 chapters add up to a fairly modest-sized book-within-a-book-- at least by comparison with other texts for the introductory general chemistry course. And what a book it is! As the reviewers' comments quoted elsewhere attest, the novel intrachapter organization of the Munowitz text contributes to another of this book's distinctive features: its remarkably coherent "story line." The main driving force here, though, is the extraordinary power and clarity of the author's writing by far the most remarked-upon special attribute of this book. Just crack it open anywhere and start reading, and you'll see what all the fuss is about.

 [Download Principles of Chemistry ...pdf](#)

 [Read Online Principles of Chemistry ...pdf](#)

Principles of Chemistry

By Michael Munowitz

Principles of Chemistry By Michael Munowitz

"Can Munowitz write or what!" exclaimed one advance reviewer of this extraordinary new text.

Read a few pages, and you'll see what all the excitement is about. Intended primarily for college freshmen, this exceptionally lucid, carefully paced, elegantly designed, well-illustrated volume will appeal to curious readers of any age who want to know more about the innermost workings of the "central science." In the words of another advance reviewer, the Munowitz book "reveals the beauty of chemistry in an unusual, graceful, narrative style. Compared with standard textbooks, it is poetic." This book is unusual in several respects. Perhaps the most obvious, at first glance, is the distinctive pattern of white and gray stripes that appear when you view its pages edge-on. The striped pattern is a superficial manifestation of a novel's internal structure. Unlike a standard chemistry textbook, in which each chapter is fragmented into a hodgepodge of disparate parts--text, boxed features, worked exercises, solved and unsolved problems, in-chapter and end-of-chapter summaries, miscellaneous decorative elements-- each chapter in *Principles of Chemistry* has a much simpler organization: an uninterrupted narrative core (white pages), followed by a Review and Guide to Problems section (gray pages). In short: principles first, then practice. The tutorial, problem-solving sections at the ends of the chapters amount, in effect, to a built-in study guide, thus obviating the need for a separate volume of this type. In addition, the long run of predominantly white pages at the back of the book consists, for the most part, of an unusually complete set of appendices devoted to such important matters as nomenclature, mathematics, assorted tables, and a glossary. Taken just by themselves, then, the white pages that constitute the first, narrative parts of the book's 21 chapters add up to a fairly modest-sized book-within-a-book-- at least by comparison with other texts for the introductory general chemistry course. And what a book it is! As the reviewers' comments quoted elsewhere attest, the novel intrachapter organization of the Munowitz text contributes to another of this book's distinctive features: its remarkably coherent "story line." The main driving force here, though, is the extraordinary power and clarity of the author's writing by far the most remarked-upon special attribute of this book. Just crack it open anywhere and start reading, and you'll see what all the fuss is about.

Principles of Chemistry By Michael Munowitz Bibliography

- Sales Rank: #1058971 in Books
- Brand: Unknown
- Published on: 1999-07-17
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 10.40" h x 2.20" w x 7.70" l, 5.55 pounds
- Binding: Hardcover
- 1616 pages

 [Download Principles of Chemistry ...pdf](#)

 [Read Online Principles of Chemistry ...pdf](#)

Download and Read Free Online Principles of Chemistry By Michael Munowitz

Editorial Review

Review

Can Munowitz write or what! His hortatory, grab-'em-by-the-scruff-of-the-neck-and-don't-let-go-until-they-get-it style is great! It moves along and is not boring. Here is an author with enthusiasm and a point of view. The problems are even interesting I worked some out myself just for the fun of it. -- *John J. Alexander, University of Cincinnati*

I particularly like the author's very careful and detailed discussions of the physical mechanisms behind the various equations that he presents. I know of no introductory textbook in which this is done as well. -- *Colin MacKay, Haverford College*

If I wanted a student to learn the material on his or her own, I'd hand them Munowitz. -- *Robert Cave, Harvey Mudd College*

Relegating the 'gritty practicality' to the review and problems section at the end of the chapter makes possible a more focused and seamless introduction to the concepts, which makes possible more engaging writing. The extended summary allows repetition and recapitulation of the concepts, which I think may enhance retention of the material. Clustering the problems and using an engaging 'dialogue' to introduce and relate them helps the students see a scientist's thinking modeled. -- *Michael Fuson, Denison University*

The text reveals the beauty of chemistry in an unusual, graceful narrative style. Compared to standard textbooks, it is poetic.... The presentation of problems is unusual and particularly attractive.... By postponing instruction on problems until the end of the chapter, Munowitz avoids interruptions in the compelling narrative and invites undivided attention to the problems when they are addressed. The concise power of Munowitz's writing is most evident in the Introduction, which tells what chemistry is better than any other text I know. -- *Henry Griffin, University of Michigan*

This is an amazing book. It's not just beautifully written or perfectly accurate or entrancing to read, although it is all that. What is more important is that it practices what it describes, namely the scientific search for truth. Munowitz's attention to the exact meanings of individual words mirrors a similar scrupulousness with respect to the macroscopic structure--the book. The effect is as captivating as a suspense novel. I have simply never come across a chemistry text so well written . . . It is well known that most incoming freshmen who intend to major in science change their minds in the first year, probably because of the massive tedium of introductory curricula. Many manage to pass only by rote memorization of words that have no meaning for them--mass, force, energy, etc. This book has the capacity to change that. -- *Edward T. Samulski, University of North Carolina*

[The Munowitz text] takes a principles-driven approach that displays the unity and coherence of the physical sciences by emphasizing the relationship between microscopic structure and macroscopic properties. The author writes with a crisp, direct, no nonsense, yet polished style. The analogies are appropriate, the imagery vivid, and the science accurate.... The book represents a paradigm shift and promises to be the text for the next millennium. -- *James Harrison, Michigan State University*

About the Author

Michael Munowitz is currently a full-time science writer. A graduate of Yale College (summa cum laude, with distinction in chemistry), he obtained his Ph.D. in chemical physics from Harvard University and did

postdoctoral work at the University of Leiden and the University of California, Berkeley. He has published more than 50 research papers in a variety of fields, including solid-state and two-dimensional NMR, computational chemistry, and waveguide design, and is the author of the book *Coherence and NMR*.

Users Review

From reader reviews:

Benjamin Ward:

Have you spare time for a day? What do you do when you have considerably more or little spare time? Sure, you can choose the suitable activity with regard to spend your time. Any person spent their particular spare time to take a stroll, shopping, or went to often the Mall. How about open or read a book titled Principles of Chemistry? Maybe it is being best activity for you. You understand beside you can spend your time along with your favorite's book, you can smarter than before. Do you agree with its opinion or you have additional opinion?

Kelly Thompson:

This Principles of Chemistry book is not ordinary book, you have it then the world is in your hands. The benefit you obtain by reading this book is usually information inside this guide incredible fresh, you will get details which is getting deeper you actually read a lot of information you will get. That Principles of Chemistry without we understand teach the one who reading through it become critical in pondering and analyzing. Don't end up being worry Principles of Chemistry can bring whenever you are and not make your handbag space or bookshelves' grow to be full because you can have it in the lovely laptop even cell phone. This Principles of Chemistry having great arrangement in word as well as layout, so you will not truly feel uninterested in reading.

Aaron Marks:

Spent a free a chance to be fun activity to do! A lot of people spent their leisure time with their family, or their very own friends. Usually they undertaking activity like watching television, about to beach, or picnic inside park. They actually doing same thing every week. Do you feel it? Would you like to something different to fill your free time/ holiday? Could possibly be reading a book is usually option to fill your free time/ holiday. The first thing that you'll ask may be what kinds of book that you should read. If you want to consider look for book, may be the guide untitled Principles of Chemistry can be great book to read. May be it may be best activity to you.

Rosa Felton:

Reading a e-book make you to get more knowledge from it. You can take knowledge and information coming from a book. Book is published or printed or highlighted from each source in which filled update of news. Within this modern era like currently, many ways to get information are available for anyone. From media social similar to newspaper, magazines, science book, encyclopedia, reference book, fresh and comic. You can add your knowledge by that book. Do you want to spend your spare time to open your book? Or just

looking for the Principles of Chemistry when you essential it?

Download and Read Online Principles of Chemistry By Michael Munowitz #BMPIFGHY84X

Read Principles of Chemistry By Michael Munowitz for online ebook

Principles of Chemistry By Michael Munowitz Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Principles of Chemistry By Michael Munowitz books to read online.

Online Principles of Chemistry By Michael Munowitz ebook PDF download

Principles of Chemistry By Michael Munowitz Doc

Principles of Chemistry By Michael Munowitz MobiPocket

Principles of Chemistry By Michael Munowitz EPub

BMP1FGHY84X: Principles of Chemistry By Michael Munowitz