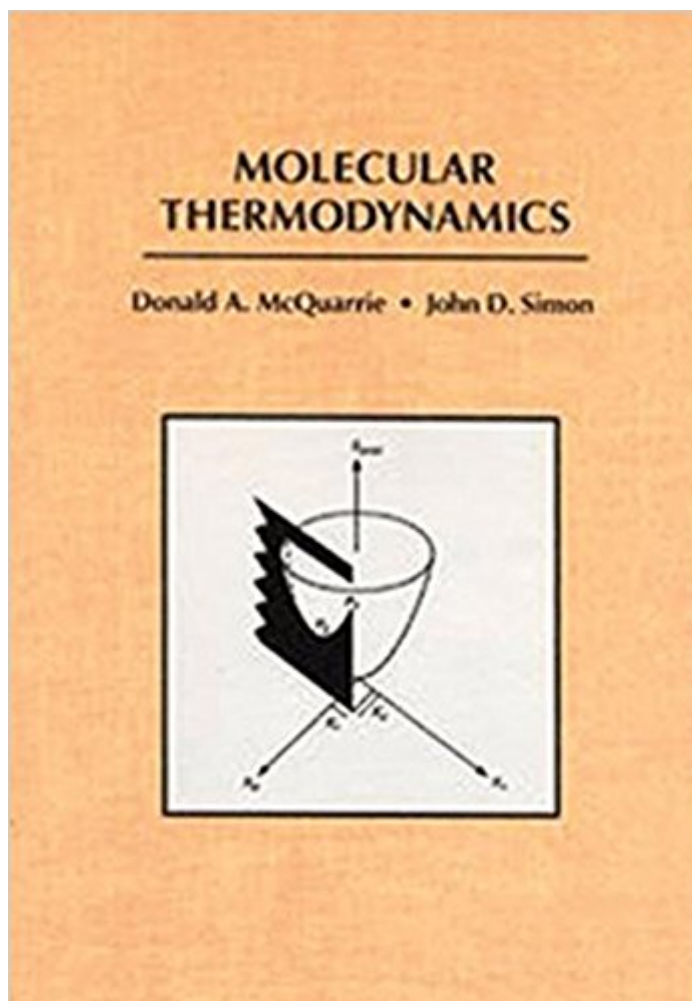


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# Molecular Thermodynamics



## Synopsis

Evolved from McQuarrie and Simon's best-selling textbook, *Physical Chemistry: A Molecular Approach*, this text focuses in on the thermodynamics portion of the course. Although many of the chapters in *Molecular Thermodynamics* are similar to chapters in the larger physical chemistry text, new material has been added throughout along with three entirely new chapters on "The Energy Levels of Atoms and Molecules," "Thermodynamics of Electrochemical Cells," and "Nonequilibrium Thermodynamics." The text also includes five short "MathChapters," each with a special set of problems that will help students review and summarize the mathematical tools required to master the material. Worked examples and chapter-ending problems with solutions are also included throughout the book.

## Book Information

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## Customer Reviews

"An extremely large number of worked examples and end-of-chapter problems supplement this excellent book." -- Science & Technology  
"McQuarrie is emerging as one of the the best writers on undergrad thermodynamics and statistical mechanics around..." -- Journal of Statistical Physics  
"The writing is exceptionally clear, and explanations are lucid and sound." --The Chemical Educator

DONALD A. McQUARRIE, University of California, Davis JOHN D. SIMON, Duke University

This book forms much of the basis for a free on-line course that I'm taking through CourseRA. The

book has proved to be invaluable at countless times - the course lectures are fun and very clear, but it always helps to have a full-blown text to refer back to when something (e.g., a formula or crucial result) isn't quite that easy to recall. I wish this book had been around when I took thermodynamics - \*three times\* - as I'm sure I would have fared far better!

Love this book.

I am currently using this as a text book for a class in chemical thermodynamics and I feel fortunate to be using it. The author develops his topics in a very logical manner and is outstanding in connecting topics presented earlier in the book to later ones. I also like how in some of the example problems that the author uses it as a way to extend the topic with specifics rather than relying on the theoretical construct alone. Much recommended.

Very good book if you want a simple explanation of how to correlate classical thermodynamics with statistical thermodynamics.

Good condition more like half falling apart

excellent textbook

If your objective is finding a textbook that will teach you molecular thermodynamics then your search is over. Pchem 2 is a difficult subject so good luck. The author makes good use of the pages with examples and derivations. Have an enlightening semester.

Purchased for my son for one of his classes. Book was as expected.

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