



Maths for Chemistry: A chemist's toolkit of calculations

By Paul Monk, Lindsey J. Munro

Download now

Read Online 

Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro

Mathematical skills and concepts lie at the heart of chemistry; however, they are also often the aspects of the subject that students fear the most. Now in a new edition, *Maths for Chemistry* addresses the challenges faced by many students in acquiring the math skills necessary to gain a full understanding of chemistry. Working from basic yet essential principles, this unique text builds students' confidence by leading them through the subject in a steady, progressive way, moving from basic algebra all the way to quantum mathematics. Employing a modular structure, authors Paul Monk and Lindsey J. Munro present the material in short, manageable sections in order to keep the content as accessible as possible.

Opening with an introduction to the "language" of math and the fundamental rules of algebra, *Maths for Chemistry* goes on to cover powers, indices, logs and exponential functions, graphical functions, and trigonometry before leading students through both differentiation and integration and on to quantum mathematics. It is the first book of its kind to use chemical examples throughout in order to demonstrate the relevance of mathematical concepts to the study of chemistry. The volume is enhanced by definitions of all key terms, self-check questions, and extensive end-of-chapter problems. A Companion Website features additional resources for both students and instructors.

 [Download Maths for Chemistry: A chemist's toolkit of c ...pdf](#)

 [Read Online Maths for Chemistry: A chemist's toolkit of ...pdf](#)

Maths for Chemistry: A chemist's toolkit of calculations

By Paul Monk, Lindsey J. Munro

Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro

Mathematical skills and concepts lie at the heart of chemistry; however, they are also often the aspects of the subject that students fear the most. Now in a new edition, *Maths for Chemistry* addresses the challenges faced by many students in acquiring the math skills necessary to gain a full understanding of chemistry. Working from basic yet essential principles, this unique text builds students' confidence by leading them through the subject in a steady, progressive way, moving from basic algebra all the way to quantum mathematics. Employing a modular structure, authors Paul Monk and Lindsey J. Munro present the material in short, manageable sections in order to keep the content as accessible as possible.

Opening with an introduction to the "language" of math and the fundamental rules of algebra, *Maths for Chemistry* goes on to cover powers, indices, logs and exponential functions, graphical functions, and trigonometry before leading students through both differentiation and integration and on to quantum mathematics. It is the first book of its kind to use chemical examples throughout in order to demonstrate the relevance of mathematical concepts to the study of chemistry. The volume is enhanced by definitions of all key terms, self-check questions, and extensive end-of-chapter problems. A Companion Website features additional resources for both students and instructors.

Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro

Bibliography

- Sales Rank: #2306733 in Books
- Brand: imusti
- Published on: 2010-06-25
- Original language: English
- Number of items: 1
- Dimensions: 7.40" h x 1.00" w x 9.60" l, 2.60 pounds
- Binding: Paperback
- 560 pages

 [Download Maths for Chemistry: A chemist's toolkit of c ...pdf](#)

 [Read Online Maths for Chemistry: A chemist's toolkit of ...pdf](#)

Download and Read Free Online Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro

Editorial Review

Review

"The book is well-written throughout and has an admirable step-by-step approach to teaching."--*Chemistry World*

About the Author

Revd Dr Paul Monk is Team Vicar at Medlock Head Parish in Oldham and was Senior Lecturer in Physical Chemistry in the Department of Chemistry and Materials at Manchester Metropolitan University, Manchester, where he lectured and researched since 1991. Dr Monk gained a BSc (Hons) in Chemistry and a PhD on electrochemistry from the University of Exeter. His research investigates electrochromism and the development of electrochromic materials, a subject area in which he has published over 40 journal articles and several monographs. He is the author of two textbooks, *Electroanalytical Chemistry: Principles and Fundamental Applications* (Wiley, 2001); and *Physical Chemistry - Exploring our Chemical World* (Wiley, 2004). Lindsey J. Munro received both an MA in Natural Sciences and a PhD in Theoretical Chemistry from the University of Cambridge (Downing College). Postdoctoral Research Fellowships at the University of Pittsburgh and in industry in Switzerland followed. After having compared life as a researcher in both industry and universities, she opted for the freedom of academia and returned home to start life as a lecturer at the Manchester Metropolitan University. She currently lectures in Thermodynamics and Quantum Mechanics, whilst pursuing her research into understanding flavour using computational chemistry.

Users Review

From reader reviews:

Kathy Hunnicutt:

This book untitled Maths for Chemistry: A chemist's toolkit of calculations to be one of several books this best seller in this year, that's because when you read this publication you can get a lot of benefit in it. You will easily to buy this specific book in the book retail store or you can order it by way of online. The publisher on this book sells the e-book too. It makes you quicker to read this book, as you can read this book in your Smartphone. So there is no reason for you to past this reserve from your list.

Monica Ceja:

Reading a book to become new life style in this year; every people loves to study a book. When you go through a book you can get a great deal of benefit. When you read textbooks, you can improve your knowledge, due to the fact book has a lot of information into it. The information that you will get depend on what types of book that you have read. If you want to get information about your review, you can read education books, but if you want to entertain yourself you are able to a fiction books, this kind of us novel, comics, as well as soon. The Maths for Chemistry: A chemist's toolkit of calculations provide you with a

new experience in studying a book.

Robert Dougherty:

That guide can make you to feel relax. That book Maths for Chemistry: A chemist's toolkit of calculations was multi-colored and of course has pictures on there. As we know that book Maths for Chemistry: A chemist's toolkit of calculations has many kinds or style. Start from kids until teenagers. For example Naruto or Detective Conan you can read and feel that you are the character on there. So , not at all of book usually are make you bored, any it offers up you feel happy, fun and unwind. Try to choose the best book for you personally and try to like reading that.

Elizabeth Daugherty:

A number of people said that they feel uninterested when they reading a guide. They are directly felt the idea when they get a half regions of the book. You can choose the actual book Maths for Chemistry: A chemist's toolkit of calculations to make your current reading is interesting. Your own personal skill of reading talent is developing when you like reading. Try to choose straightforward book to make you enjoy to learn it and mingle the feeling about book and reading through especially. It is to be 1st opinion for you to like to open a book and go through it. Beside that the guide Maths for Chemistry: A chemist's toolkit of calculations can to be your brand-new friend when you're sense alone and confuse with what must you're doing of that time.

Download and Read Online Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro #OYNLQK2XEP9

Read Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro for online ebook

Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro Free PDF download, 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 Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro books to read online.

Online Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro ebook PDF download

Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro Doc

Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro Mobipocket

Maths for Chemistry: A chemist's toolkit of calculations By Paul Monk, Lindsey J. Munro EPub