
Atkins Physical Chemistry

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Atkins' Physical Chemistry *Oxford University Press*

Combining broad coverage with an innovative use of pedagogy, Atkins' Physical Chemistry remains the textbook of choice for studying physical chemistry. Significant re-working of the text design makes this edition more accessible for students, while also creating a clean and effective text that is more flexible for instructors to teach from.

Atkins' Physical Chemistry 11e

Volume 3: Molecular Thermodynamics and Kinetics *Oxford University Press, USA*

Atkins' Physical Chemistry: Molecular Thermodynamics and Kinetics is designed for use on the second semester of a quantum-first physical chemistry course. Based on the hugely popular Atkins' Physical Chemistry, this volume approaches molecular thermodynamics with the assumption that students will have studied quantum mechanics in their first semester. The exceptional quality of previous editions has been built upon to make this new edition of Atkins' Physical Chemistry even more closely suited to the needs of both lecturers and students. Re-organised into discrete 'topics', the text is more flexible to teach from and more readable for students. Now in its eleventh edition, the text has been enhanced with additional learning features and maths support to demonstrate the absolute centrality of mathematics to physical chemistry. Increasing the digestibility of the text in this new approach, the reader is brought to a question, then the math is used to show how it can be answered and progress made. The expanded and redistributed maths support also includes new 'Chemist's toolkits' which provide students with

succinct reminders of mathematical concepts and techniques right where they need them. Checklists of key concepts at the end of each topic add to the extensive learning support provided throughout the book, to reinforce the main take-home messages in each section. The coupling of the broad coverage of the subject with a structure and use of pedagogy that is even more innovative will ensure Atkins' Physical Chemistry remains the textbook of choice for studying physical chemistry.

Atkins' Physical Chemistry *Oxford University Press*

The exceptional quality of previous editions has been built upon to make the tenth edition of Atkins' Physical Chemistry even more closely suited to the needs of both students and lecturers. The text has been enhanced with additional learning features and maths support, and has been radically restructured into short focussed topics. An innovative use of pedagogy is combined with rigorous but accessible coverage of the subject to ensure Atkins' Physical Chemistry tenth edition remains the textbook of choice for studying physical chemistry. New to this edition : significant reorganization of the material within each chapter into discrete 'topics' makes the text more readable for students and more flexible for instructors ; expanded maths support includes new 'Chemist's toolkits' which provide students with succinct reminders of mathematical concepts and techniques ; three questions at the beginning of each topic engage and focus the attention of the reader : 'Why do you need to know this material ?', 'What is the key idea ?', and 'What do you need to know already ?' ; New checklists of key concepts at the end of each topic reinforce the main take-home messages in each section.

Physical Chemistry

Student Solutions Manual to Accompany Atkins' Physical Chemistry 11th Edition *Oxford University Press*

The Student Solutions Manual to accompany Atkins' Physical Chemistry 11th Edition provides full worked solutions to the "a" exercises, and the odd-numbered discussion questions and problems presented in the parent book. The manual is intended for students and provides helpful comments and friendly advice to aid understanding.

Elements of Physical Chemistry *Oxford University Press*

The ideal course companion, Elements of Physical Chemistry is written specifically with the needs of undergraduate students in mind, and provides extensive mathematical and pedagogical support while remaining concise and accessible. For the seventh edition of this much-loved text, the material has been reorganized into short Topics, which are grouped into thematic Focuses to make the text more digestible for students, and more flexible for lecturers to teach from. At the beginning of each Topic, three questions are posed, emphasizing why it is important, what the key idea is, and what the student should already know. Throughout the text, equations are clearly labeled and annotated, and detailed 'justification' boxes are provided to help students understand the crucial mathematics which underpins physical chemistry. Furthermore, Chemist's toolkits provide succinct reminders of key mathematical techniques exactly where they are needed in the text. Frequent worked examples, in addition to self-test questions and end-of-chapter

exercises, help students to gain confidence and experience in solving problems. This diverse suite of pedagogical features, alongside an appealing design and layout, make Elements of Physical Chemistry the ideal course text for those studying this core branch of chemistry for the first time.

Physical Chemistry

A Very Short Introduction *Oxford University Press*

Peter Atkins' Very Short Introduction explores the contributions physical chemistry has made to all branches of chemistry. Providing insight into its central concepts Atkins reveals the cultural contributions physical chemistry has made to our understanding of the natural world.

Student's Solutions Manual to Accompany Atkins' Physical Chemistry

This solutions manual provides the authors' detailed solutions to exercises and problems in physical chemistry. It comprises solutions to exercises at the end of each chapter and solutions to numerical, theoretical and additional problems.

Physical Chemistry for the Life Sciences *Macmillan*

Peter Atkins and Julio de Paula offer a fully integrated approach to the study of physical chemistry and biology.

Elements of Physical Chemistry *Oxford University Press, USA*

Elements of Physical Chemistry has been carefully crafted to help students increase their confidence when using physics and

mathematics to answer fundamental questions about the structure of molecules, how chemical reactions take place, and why materials behave the way they do.

Quanta, Matter, and Change

A Molecular Approach to Physical Chemistry *Oxford University Press*

aspects of the learning process are fully supported, including the understanding of terminology, notation, mathematical concepts, and the application of physical chemistry to other branches of science." "Building on the heritage of the world-renowned Atkins' Physical Chemistry , Quanta, Matter, and Change gives a refreshing new insight into the familiar by illuminating physical chemistry from a new direction." --Book Jacket.

Atkins Physical Chemistry 11th Edition *Oxford University Press, USA*

Physical Chemistry

Quanta, Matter, and Change *Oxford University Press, USA*

This title takes an innovative molecular approach to the teaching of physical chemistry. The authors present the subject in a rigorous but accessible manner, allowing students to gain a thorough understanding of physical chemistry.

Atkins' Physical Chemistry

Physical Chemistry for the Life Sciences *Oxford University Press, USA*

Peter Atkins and Julio de Paula offer a fully integrated approach to the study of physical chemistry and biology.

Instructor's Solutions Manual to Accompany Atkins' Physical Chemistry, Ninth Edition

The Instructor's solutions manual to accompany Atkins' Physical Chemistry provides detailed solutions to the 'b' exercises and the even-numbered discussion questions and problems that feature in the ninth edition of Atkins' Physical Chemistry . The manual is intended for instructors and consists of material that is not available to undergraduates. The manual is free to all adopters of the main text.

Atkins' Physical Chemistry

'Atkins' Physical Chemistry' is widely acknowledged by both students and lecturers around the globe to be the textbook of choice for studying physical chemistry. Now in its 11th edition, the text has been enhanced with additional learning features and maths support, re-organised into discrete topics, to make the text more flexible to teach from and more readable for students.

Student Solutions Manual to Accompany Atkins' Physical Chemistry, 10th Edition *American Chemical Society*

The Student Solutions Manual to accompany Atkins' Physical Chemistry 10th edition provides full worked solutions to the 'a' exercises, and the odd-numbered discussion questions and problems presented in the parent book. The manual is intended

for students and instructors alike, and provides helpful comments and friendly advice to aid understanding.

Physical Chemistry

Thermodynamics, Structure, and Change *W. H. Freeman*

Edition after edition, Atkins and de Paula's #1 bestseller remains the most contemporary, most effective full-length textbook for courses covering thermodynamics in the first semester and quantum mechanics in the second semester. Its molecular view of physical chemistry, contemporary applications, student friendly pedagogy, and strong problem-solving emphasis make it particularly well-suited for pre-meds, engineers, physics, and chemistry students. Now organized into briefer, more manageable topics, and featuring additional applications and mathematical guidance, the new edition helps students learn more effectively, while allowing instructors to teach the way they want. Available in Split Volumes For maximum flexibility in your physical chemistry course, this text is now offered as a traditional text or in two volumes: Volume 1: Thermodynamics and Kinetics: 1-4641-2451-5 Volume 2: Quantum Chemistry: 1-4641-2452-3

Student's Solutions Manual to Accompany Atkins' Physical Chemistry, Eighth Edition *Oxford University Press, USA*

Provides solutions to the 'a' exercises, and the odd-numbered discussion questions and problems that feature in the eighth edition of Atkins' Physical Chemistry. This manual offers comments and advice to aid understanding. It is intended for students and instructors alike.

ATKINS PHYSICAL CHEMISTRY 12E LL 12E

Inorganic Chemistry

This textbook aims to convey the important principles and facts of inorganic chemistry in a way that is both understandable and enjoyable to undergraduates. Examples help to illustrate the material, and key points are summarized at the conclusion of each chapter.

Atkins' Physical Chemistry

Student Solutions Manual for Physical Chemistry *Macmillan*

With its modern emphasis on the molecular view of physical chemistry, its wealth of contemporary applications, vivid full-color presentation, and dynamic new media tools, the thoroughly revised new edition is again the most modern, most effective full-length textbook available for the physical chemistry classroom. Available in Split Volumes For maximum flexibility in your physical chemistry course, this text is now offered as a traditional text or in two volumes. Volume 1: Thermodynamics and Kinetics; ISBN 1-4292-3127-0 Volume 2: Quantum Chemistry, Spectroscopy, and Statistical Thermodynamics; ISBN 1-4292-3126-2

Concepts in Physical Chemistry *Oxford University Press, USA*

Reference guide to the key concepts of physical chemistry; in dictionary format

ATKINS PHYSICAL CHEMISTRY V1 12E 12E

Atkins' Physical Chemistry, 10th Edition**ATKINS PHYSICAL CHEMISTRY V2 12E 12E****Atkins' Physical Chemistry**

Atkins' Physical Chemistry is widely acknowledged by both students and lecturers around the globe to be the textbook of choice for studying physical chemistry. Now in its twelfth edition, the text has been enhanced with additional learning features, and the writing style has been refreshed to resonate with the modern student.

Physical Chemistry *W.H. Freeman*

Contains complete worked-out solutions for all "B" exercises and half of the end-of-chapter problems.

Physical Chemistry Student Solutions Manual *Macmillan*
Change 21.**Student's Solutions Manual to Accompany Atkins' Physical Chemistry**

This solutions manual provides the authors' detailed solutions to exercises and problems in the seventh edition of Physical Chemistry by Peter Atkins and Julio de Paula. The manual is intended for students and instructors alike and comprises: solutions to the A exercises at the end of each chapter; solutions to selected numerical, theoretical and additional problems at the end of each chapter; helpful comments that aid the student's understanding of selected solutions; friendly guidance from the

authors in the working of each solution.

Mikulášovy prázdniny**Pro čtenáře od 9 let****Student Solutions Manual for Physical Chemistry** *W. H. Freeman***Physical Chemistry****Galileo's Finger****The Ten Great Ideas of Science** *OUP Oxford*

Any literate person should be familiar with the central ideas of modern science. In his sparkling new book, Peter Atkins introduces his choice of the ten great ideas of science. With wit, charm, patience, and astonishing insights, he leads the reader through the emergence of the concepts, and then presents them in a strikingly effective manner. At the same time, he works into his engaging narrative an illustration of the scientific method and shows how simple ideas can have enormous consequences. His choice of the ten great ideas are: * Evolution occurs by natural selection, in which the early attempts at explaining the origin of species is followed by an account of the modern approach and some of its unsolved problems. * Inheritance is encoded in DNA, in which the story of the emergence of an understanding of inheritance is followed through to the mapping of the human genome. * Energy is conserved, in which we see how the central

concept of energy gradually dawned on scientists as they mastered the motion of particles and the concept of heat. * All change is the consequence of the purposeless collapse of energy and matter into disorder, in which the extraordinarily simple concept of entropy is used to account for events in the world. * Matter is atomic, in which we see how the concept of atoms emerged and how the different personalities of the elements arise from the structures of their atoms. * Symmetry limits, guides, and drives, in which we see how concepts related to beauty can be extended to understand the nature of fundamental particles and the forces that act between them. * Waves behave like particles and particles behave like waves, in which we see how old familiar ideas gave way to the extraordinary insights of quantum theory and transformed our perception of matter. * The universe is expanding, in which we see how a combination of astronomy and a knowledge of elementary particles accounts for the origin of the universe and its long term future. * Spacetime is curved by matter, in which we see the emergence of the theories of special and general relativity and come to understand the nature of space and time. * If arithmetic is consistent, then it is incomplete, in which we learn the origin of numbers and arithmetic, see how the philosophy of mathematics lets us understand the nature of this most cerebral of subjects, and are brought to the limits of its power. C. P. Snow once said 'not knowing the second law of thermodynamics is like never having read a work by Shakespeare'. This is an extraordinary, exciting book that not only will make you literate in science but give you deep enjoyment on the way.

Physical Chemistry, Volume 1

Thermodynamics and Kinetics *W. H. Freeman*

Edition after edition, Atkins and de Paula's #1 bestseller remains the most contemporary, most effective full-length textbook for courses covering thermodynamics in the first semester and quantum mechanics in the second semester. Its molecular view of physical chemistry, contemporary applications, student friendly pedagogy, and strong problem-solving emphasis make it particularly well-suited for pre-meds, engineers, physics, and chemistry students. Now organized into briefer, more manageable topics, and featuring additional applications and mathematical guidance, the new edition helps students learn more effectively, while allowing instructors to teach the way they want. Available in Split Volumes For maximum flexibility in your physical chemistry course, this text is now offered as a traditional text or in two volumes: Volume 1: Thermodynamics and Kinetics: 1-4641-2451-5 Volume 2: Quantum Chemistry: 1-4641-2452-3

Chemical Principles

The Quest for Insight *Macmillan*

Written for calculus-inclusive general chemistry courses, Chemical Principles helps students develop chemical insight by showing the connections between fundamental chemical ideas and their applications. Unlike other texts, it begins with a detailed picture of the atom then builds toward chemistry's frontier, continually demonstrating how to solve problems, think about nature and matter, and visualize chemical concepts as working

chemists do. Flexibility in level is crucial, and is largely established through clearly labeling (separating in boxes) the calculus coverage in the text: Instructors have the option of whether to incorporate calculus in the coverage of topics. The multimedia integration of Chemical Principles is more deeply established than any other text for this course. Through the unique eBook, the comprehensive Chemistry Portal, Living Graph icons that connect the text to the Web, and a complete set of

animations, students can take full advantage of the wealth of resources available to them to help them learn and gain a deeper understanding.

The Elements of Physical Chemistry

This revision of the introductory textbook of physical chemistry has been designed to broaden its appeal, particularly to students with an interest in biological applications.