

## Acs Organic Chemistry Study Guide Online

**Organic Chemistry: The Name Game: Modern Coined Terms and their Origins** is a lighthearted take on the usually difficult and systematic nomenclature found in organic chemistry. However, despite the lightheartedness, the book does not lose its purpose, which is to serve as a source of information on this particular subject of organic chemistry. The book, arranged into themes, discusses some organic compounds and how they are named based on their structure, makeup, and components. The text also explains the use of Greek and Latin prefixes in nomenclature and many other principles in nomenclature.

**Issues in Medical Chemistry / 2011 Edition** is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Medical Chemistry. The editors have built **Issues in Medical Chemistry: 2011 Edition** on the vast information databases of ScholarlyNews.™ You can expect the information about Medical Chemistry in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of **Issues in Medical Chemistry: 2011 Edition** has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Technological advances in generated molecular and cell biological data are transforming biomedical research. Sequencing, multi-omics and imaging technologies are likely to have deep impact on the future of medical practice. In parallel to technological developments, methodologies to gather, integrate, visualize and analyze heterogeneous and large-scale data sets are needed to develop new approaches for diagnosis, prognosis and therapy. **Systems Medicine: Integrative, Qualitative and Computational Approaches** is an innovative, interdisciplinary and integrative approach that extends the concept of systems biology and the unprecedented insights that computational methods and mathematical modeling offer of the interactions and network behavior of complex biological systems, to novel clinically relevant applications for the design of more successful prognostic, diagnostic and therapeutic approaches. This 3 volume work features 132 entries from renowned experts in the fields and covers the tools, methods, algorithms and data analysis workflows used for integrating and analyzing multi-dimensional data routinely generated in clinical settings with the aim of providing medical practitioners with robust clinical decision support systems. Importantly the work delves into the applications of systems medicine in areas such as tumor systems biology, metabolic and cardiovascular diseases as well as immunology and infectious diseases amongst others. This is a fundamental resource for biomedical students and researchers as well as medical practitioners who need to need to adopt advances in computational tools and methods into the clinical practice. **Encyclopedic coverage: 'one-stop' resource** for access to information written by world-leading scholars in the field of Systems Biology and Systems Medicine, with easy cross-referencing of related articles to promote understanding and further research **Authoritative:** the whole work is authored and edited by recognized experts in the field, with a range of different expertise, ensuring a high quality standard **Digitally innovative:** Hyperlinked references and further readings, cross-references and diagrams/images will allow readers to easily navigate a wealth of information

PCs for Chemists

1976: July-December: Index

Chemie für Dummies

Chemists' Guide to Effective Teaching

The Hidden Curriculum—Faculty-Made Tests in Science

Systems Medicine

**Kompakt, interdisziplinär, praxisorientiert - so präsentiert sich dieses facettenreiche Lehrbuch der Photochemie. Das gut strukturierte und sehr verständlich geschriebene Werk macht den Leser mit allen bedeutenden photochemischen Prozessen vertraut.**

**Intended for anyone who teaches chemistry, this book examines applications of learning theories—presenting actual techniques and practices that respected professors have used to implement and achieve their goals. Introduction: Chemistry and Chemical Education; Exploring the Impact of Teaching Styles on Student Learning in Both Traditional and Innovative Classes; Guided Inquiry and the Learning Cycle; Teaching to Achieve Conceptual Change; Transforming Lecture Halls with Cooperative Learning; Using Visualization Techniques in Chemistry Teaching; POGIL: Process-Oriented Guided-Inquiry Learning; Peer-Led Team Learning: Scientific Learning and Discovery; Peer-Led Team Learning: Organic Chemistry; Practical Issues on the Development, Implementation, and Assessment of a Fully Integrated Laboratory-Lecture Teaching Environment; Model-Observe-Reflect-Explain (MORE) Thinking Frame Instruction: Promoting Reflective Laboratory Experiences to Improve Understanding of Chemistry; Technology Based Inquiry Oriented Activities for Large Lecture Environments; Using Visualization Technology and Group Activities in Large Chemistry Courses; Computer Animations of Chemical Processes at the Molecular Level; Symbolic Mathematics in the Chemistry Curriculum: Facilitating the Understanding of Mathematical Models used in Chemistry; Chemistry Is in the News: They Why and Wherefore of Integrating Popular News Media into the Chemistry Classroom; Chemistry at a Science Museum; The Journal of Chemical Education Digital Library:**

Enhancing Learning with Online Resources. A useful reference for chemistry educators.

Green chemistry is a work tool that can be applied in different areas such as medicine, materials, polymers, food, organic chemistry, etc., since it was propounded in the early 2000s. It has become a viable alternative for care, remediation and protection of the environment and has been implemented worldwide. In this book the twelve principles of green chemistry are presented in a simple way, with examples of the applications of green chemistry in numerous areas showcasing it as an ideal alternative for environmental care. It also provides information on current research being implemented at the pilot plant and industrial level. The book demonstrates the importance of the use of renewable raw materials, the use of catalysis and the implementation of alternative energy sources such as the use of microwaves and ultrasound in different separation and chemical processes.

Preparing for Your ACS Examination in Organic Chemistry

Phenolic Polymers Based Composite Materials

Integrative, Qualitative and Computational Approaches

More Than a Memoir

Organische Chemie

Technology-Enabled Blended Learning Experiences for Chemistry Education and Outreach

### **Organic Chemistry Study Guide**

**Wenn es knallt und stinkt, dann ist Chemie im Spiel! "Chemie für Dummies" macht deutlich, dass Chemie nicht nur aus Formeln, sondern vor allem aus unzähligen interessanten Stoffen, Versuchen und Reaktionen besteht. In diesem etwas anderen Chemie-Buch lernen Sie die Grundlagen der Chemie kennen und erfahren, wo sich chemische Phänomene im Alltag bemerkbar machen. John T. Moore macht für Sie so schwer vorstellbare Begriffe wie Atom, Base oder Molekül begreiflich und zeigt, wie man mit dem Periodensystem umgeht. Mit Übungsaufgaben am Ende eines jeden Kapitels können Sie dann noch Ihr Wissen überprüfen.**

**Ein neuer Stern am Lehrbuch-Himmel: Organische Chemie von Clayden, Greeves, Warren - der ideale Begleiter für alle Chemiestudenten. Der Schwerpunkt dieses didaktisch durchdachten, umfassenden vierfarbigen Lehrbuches liegt auf dem Verständnis von Mechanismen, Strukturen und Prozessen, nicht auf dem Lernen von Fakten. Organische Chemie entpuppt sich als dabei als ein kohärentes Ganzes, mit zahlreichen logischen Verbindungen und Konsequenzen sowie einer grundlegenden Struktur und Sprache. Dank der Betonung von Reaktionsmechanismen, Orbitalen und Stereochemie gewinnen die Studierenden ein solides Verständnis der wichtigsten Faktoren, die für alle organisch-chemischen Reaktionen gelten. So lernen sie, auch Reaktionen, die ihnen bisher unbekannt waren, zu interpretieren und ihren Ablauf vorherzusagen. Der direkte, persönliche, studentenfreundliche Schreibstil motiviert die Leser, mehr erfahren zu wollen. Umfangreiche Online-Materialien führen das Lernen über das gedruckte Buch hinaus und vertiefen das Verständnis noch weiter.**

### **Test List**

**Spektroskopische Methoden in der organischen Chemie**

**Chemie der hochenergetischen Materialien**

**Marietta Blau - Sterne der Zertrümmerung**

**Catalog of Copyright Entries**

**Konzepte, Methoden, Experimente**

Ein Leadershipbuch, das alle anderen in den Schatten stellt! Basierend auf umfangreicher Forschung und Interviews mit Führungskräften auf allen Ebenen (öffentlicher und privater Unternehmen weltweit) befasst sich das Buch mit dem anhaltenden Interesse an Leadership als kritischem Aspekt menschlicher Organisationen. Kouzes und Posner, die führenden Leadership-Experten unserer Zeit, zeigen, wie Führungskräfte mit Visionen Außerer gewöhnliches erreichen. Mit packenden Geschichten und tiefen Einsichten befassen sie sich eingehend mit den fundamentalen Aspekten von Leadership, um dem Leser dabei zu helfen, mit der sich stetig verändernden Welt Schritt zu halten. Die Autoren ergreifen dabei die Gelegenheit zu unterstreichen, dass Leadership nicht nur jeden angeht, sondern, dass es sich dabei um eine Beziehung handelt: eine Beziehung zwischen der eigenen Weiterentwicklung und der Entwicklung derer, die geführt werden. 'Es hat mir nicht nur Spaß gemacht ... sondern ich erappte mich dabei, zu nicken und zu mir selbst zu sagen: 'Das ist richtig! So wird es gemacht! So führt es sich an!' Die Autoren haben es geschafft, die Quintessenz dessen, was ich für das Herzstück von sich verändernder Leadership halte, zu erfassen.' Robert D. Haas, Vorsitzender und CEO, Levi Strauss & Co. 'Leadershipbuch gibt es wie Sand am Meer und die meisten überdauern keine Woche, ganz zu schweigen von Jahren. The Leadership Challenge gibt es immer noch, weil es auf Forschung beruht, es praktisch ist und Herz besitzt. Glauben Sie mir, Jim Kouzes und Barry Posner haben harte Beweise für ein Thema, das wir normalerweise als weich betrachten.' Tom Peters, Management-Guru, Gründer und Vorsitzender, Tom Peters Company '25 Jahr lang habe ich über Leadership geschrieben und darüber gelehrt. The Leadership Challenge ist eines der fünf besten Bücher, die ich jemals gelesen habe. Ich empfehle es fortlaufend anderen Menschen.' John C. Maxwell, Gründer von The INJOY Group, einem Unternehmen zur Beratung und Training von Führungskräften in USA und Kanada 'Jim Kouzes und Barry Posner haben die praktischste, verständlichste und inspirierendste Forschung zum Thema Leadership verfasst, die ich je gelesen habe. Anstelle einer weiteren Version von 'Promi Leadership', hilft The Leadership Challenge dabei, praktische Weisheiten von realen Führungskräften aller Ebenen in unterschiedlichen Arten von Unternehmen zu erfahren. Jede Führungskraft kann sich auf das Wissen in diesem Buch beziehen.' Marshall Goldsmith, Bestseller-Autor und bei Forbes als einer der 5 Top-Trainer für Führungskräfte genannt

Dieses exzellente Werk fuhr aus, in welcher Hinsicht optische Eigenschaften von Festkornern anders sind als die von Atomen. [...] Die Ausgewogenheit von physikalischen Erklarungen und mathematischer Beschreibung ist sehr gut. DER Text ist erganzt durch kritische Anmerkungen in den Marginalien und selbsterklarerer Abbildungen. BARRY R. MASTERS, OPN Optics & Photonics News 2011 Fox ist es gelungen, eine gute, kompakte und anspruchsvolle Darstellung der optischen Eigenschaften von Festkornern vorzulegen. AMERICAN JOURNAL OF PHYSICS  
This is an authoritative introduction to Computing Education research written by over 50 leading researchers from academia and the industry.

Organic Chemistry, 5th Ed

Model Indicators of College Student Learning in the Disciplines

ACS Organic Chemistry Exams - the Official Guide

Guide to Educational Resources for Laboratorians

Green Chemistry and Applications

Einführung in die Organische Chemie

*In this unusual autobiography you will find the full story of a life spanning much of the twentieth century. Selective reading will disclose How a teacher/scientist may develop The importance of focus and integrity The fascination of doing chemical and biochemical research with students and colleagues The excitement of discovery and of facing new challenges Personal details about family life and friendships Career choices and diversions Plus In the 23 (!) appendices, you will find details concerning Other activities attendant upon a career in science The influence of conferences, symposia, and international scientific connections The coworkers who built the reputation of the author*

*The Organic Chemistry of Museum Objects provides an account of the composition, chemistry, and analysis of the organic materials which enter into the structures of objects in museum collections. This book is not intended to duplicate the information available in existing handbooks on the materials and techniques of art and conservation but rather to convey the state of knowledge of the chemical composition of such materials and so provide a framework for a general understanding of their properties. The book begins with a review of basic organic chemistry, covering hydrocarbons and compounds with functional groups. It then describes spectrometry and separation methods. This is followed by discussions of the chemistry and composition of oils and fats, natural waxes, bituminous materials, carbohydrates, proteins, and natural resins and lacquers. Subsequent chapters deal with synthetic materials, i.e., high molecular weight polymers of a wholly synthetic nature; and natural and synthetic dyestuffs. Also discussed are the deterioration and other changes in organic materials resulting from both free radical and ionic reactions; and the application of analytical methods to identify the organic materials of actual museum objects. This book is intended for both chemists and nonchemists. This reference work treats the basic chemistry of high energy materials and offers an overview of current research. Both civilian and military uses of high-energy compounds are presented.*

*Modern Coined Terms and Their Origins*

*Journal der pharmacie für aerzte, apotheker und chemisten*

*The Organic Chemistry of Museum Objects*

*Exam Survival Guide: Physikalische Chemie*

*The Complete Guide to Postgraduate Funding Worldwide*

*Solutions Manual and Additional Problems for Organic Chemistry (First Edition)*

Solutions Manual and Additional Problems for Organic Chemistry: A Two-Semester Course of Essential Organic Chemistry is a companion workbook to Organic Chemistry: A Two Semester Course of Essential Organic Chemistry. The original problems from the textbook are included in full in this solutions manual. The problem solutions provide detailed explanation with reference to the related sections of the main textbook. This solutions manual can also be used as a source of additional problems to supplement any basic organic chemistry text or course. The problems cover all essential material within the requirements outlined by the American Chemical Society. Solutions Manual and Additional Problems provides excellent preparation for standardized ACS exams, MCAT, PCAT, Chemistry GRE, and other professional proficiency exams. It can also be used by multidisciplinary researchers as a basic reference book covering all essential concepts, terminology, and nomenclature of organic chemistry. Viktor Zhdankin earned his M.S., Ph.D., and doctor of science degrees from Moscow State University. He is a professor of chemistry at the University of Minnesota Duluth, where he teaches courses in organic chemistry. Dr. Zhdankin has authored numerous articles, book chapters, and textbooks addressing various topics in the world of chemistry. Peter Grundt earned his Ph.D. from the University of Duisburg. He is an assistant professor of chemistry at University of Minnesota Duluth, where he teaches courses in organic chemistry. His research interests include bioorganic and medicinal chemistry, heterocyclic chemistry, and the design and synthesis of pharmacological tools to study the obligate parasite *Toxoplasma gondii*. Sangeeta Mereddy earned her M.S. in chemistry from the University of Hyderabad in India and her Ph.D. in chemistry from the Indian Institute of Technology. She is an assistant professor of chemistry at the University of Minnesota Duluth.

The book first introduces the reader to the fundamentals of experimental design. Systems theory, response surface concepts, and basic statistics serve as a basis for the further development of matrix least squares and hypothesis testing. The effects of different experimental designs and different models on the variance-covariance matrix and on the analysis of variance (ANOVA) are extensively discussed. Applications and advanced topics (such as confidence bands, rotatability, and confounding) complete the text. Numerous worked examples are presented. The clear and practical approach adopted by the authors makes the book applicable to a wide audience. It will appeal particularly to those with a practical need (scientists, engineers, managers, research workers) who have completed their formal education but who still need to know efficient ways of carrying out experiments. It will also be an ideal text for advanced undergraduate and graduate students following courses in chemometrics, data acquisition and treatment, and design of experiments.

Dieses Standardwerk vermittelt alle notwendigen Kenntnisse für die Anwendung der spektroskopischen Methoden in der organischen Chemie. Einführende Grundlagentexte erläutern die Theorie, anschauliche Beispiele die Umsetzung in der Praxis. Dieses Buch ist Pflichtlektüre für Studierende der Chemie und Nachschlagewerk für Profis. Die 9. Auflage ist komplett überarbeitet und erweitert. Insbesondere das NMR-

Kapitel und dessen <sup>13</sup>C-NMR-Teil sind stark verändert gegenüber der Voraufgabe. In aktualisierter Form präsentiert sich das Kapitel zum Umgang mit Spektren und analytischen Daten: Es erklärt die kombinierte Anwendung der Spektroskopie, enthält Anleitungen zur Interpretation analytischer Daten, hilft bei der Strukturaufklärung/-überprüfung und bietet Praxisbeispiele. Zusätzlich finden Nutzer des Buches Beispiele zur Interpretation analytischer Daten und Strukturaufklärung mit Lösungen kostenfrei auf unserer Website. Dozenten erhalten auf Anfrage alle Spektren des Werks zum Download.

Organic Chemistry, Study Guide/solutions Manual, E-book, Acs Modular Kit & Guide

Leadership Challenge

Optische Eigenschaften von Festkörpern

Scoring High on College Entrance Tests

Biographie einer Wegbereiterin der modernen Teilchenphysik

Photochemie

*This is the second of two books about African-American female chemists. The first book (African-American Women Chemists, 2011) focused on the early pioneers--women chemists from the Civil War to the Civil Rights Act. African American Women Chemists in the Modern Era focuses on contemporary women who have benefited from the Civil Rights Act and are now working as chemists or chemical engineers. This book was produced by taking the oral history of women who are leaders in their field and who wanted to tell the world how they succeeded. It features eighteen amazing women in this book and each of them has a claim to fame, despite hiding in plain sight. These women reveal the history of their lives from youth to adult. Overall, Jeannette Brown aims to inspire women and minorities to pursue careers in the sciences, as evidenced by the successful career paths of the women that came before them.*

*Technology-Enabled Blended Learning Experiences for Chemistry Education and Outreach discusses new technologies and their potential for the advancement of chemistry education, particularly in topics that are difficult to demonstrate in traditional 2d media. The book covers the theoretical background of technologies currently in use (such as virtual and augmented reality), introducing readers to the current landscape and providing a solid foundation on how technology can be usefully integrated in both learning and teaching chemistry content. Other sections cover the implementation of technology, how to design a curriculum, and how new tactics can be applied to both outreach and evaluation efforts. Case studies supplement the information presented, providing the reader with practicable examples and applications of covered theories and technologies. Drawing on the broad experiences and unique insights of a global team of authors from a whole host of different backgrounds, the book aims to stimulate readers' creativity and inspire them to find their own novel applications of the techniques highlighted in this volume. Provides detailed information on the theoretical background of technology usage in chemistry education, including discussions of augmented and virtual reality Helps readers understand available options and make informed decisions on how to best utilize technology to enhance their chemistry teaching using concepts surrounding blended learning Presents examples of theory in practice through case studies that detail completed implementations from around the world*

*The best way for students to learn organic chemistry concepts is to work relevant and interesting problems on a daily basis. Authored by Brent and Sheila Iverson, The University of Texas at Austin, this comprehensive manual offers detailed solutions to all in-text and end-of-chapter problems. It helps students achieve a deeper intuitive understanding of the material through constant reinforcement and practice--ultimately resulting in much better preparation for in-class quizzes and tests, as well as national standardized tests such as the DAT and MCAT.*

*Catalog of Copyright Entries. Third Series*

*Organic Chemistry, the Name Game*

*Part 2: Upper-Division Courses*

*Deutschsprachige Ausgabe*

*Signs & Traces*

*Student study guide and solutions manual*

The Organic Chemistry of Drug Design and Drug Action, Third Edition, represents a unique approach to medicinal chemistry based on physical organic chemical principles and reaction mechanisms that rationalize drug action, which allows reader to extrapolate those core principles and mechanisms to many related classes of drug molecules. This new edition includes updates to all chapters, including new examples and references. It reflects significant changes in the process of drug design over the last decade and preserves the successful approach of the previous editions while including significant changes in format and coverage. This text is designed for undergraduate and graduate students in chemistry studying medicinal chemistry or pharmaceutical chemistry; research chemists and biochemists working in pharmaceutical and biotechnology industries. Updates to all chapters, including new examples and references Chapter 1 (Introduction): Completely rewritten and expanded as an overview of topics discussed in detail throughout the book Chapter 2 (Lead Discovery and Lead Modification): Sections on sources of compounds for screening including library collections, virtual screening, and computational methods, as well as hit-to-lead and scaffold hopping; expanded sections on sources of lead compounds, fragment-based lead discovery, and molecular graphics; and deemphasized solid-phase synthesis and combinatorial chemistry Chapter 3 (Receptors): Drug-receptor interactions, cation- $\pi$  and halogen bonding; atropisomers; case history of the insomnia drug

suvorexant Chapter 4 (Enzymes): Expanded sections on enzyme catalysis in drug discovery and enzyme synthesis Chapter 5 (Enzyme Inhibition and Inactivation): New case histories: for competitive inhibition, the epidermal growth factor receptor tyrosine kinase inhibitor, erlotinib and Abelson kinase inhibitor, imatinib for transition state analogue inhibition, the purine nucleoside phosphorylase inhibitors, forodesine and DADMe-ImmH, as well as the mechanism of the multisubstrate analog inhibitor isoniazid for slow, tight-binding inhibition, the dipeptidyl peptidase-4 inhibitor, saxagliptin Chapter 7 (Drug Resistance and Drug Synergism): This new chapter includes topics taken from two chapters in the previous edition, with many new examples Chapter 8 (Drug Metabolism): Discussions of toxicophores and reactive metabolites Chapter 9 (Prodrugs and Drug Delivery Systems): Discussion of antibody–drug conjugates

Besser Konzepte und Ideen der organischen Chemie verstehen, als eine Vielzahl von Fakten auswendig beherrschen! Diesem Motto bleibt der "Vollhardt/Schore" auch in der neuesten Auflage treu. Das neu gestaltete Layout, beispielhaft gelöste Übungsaufgaben und die deutlich erweiterten Verständnisübungen führen einprägsam an die Methodik zur Lösung organisch-chemischer Probleme heran. So werden nicht nur die stofflichen Grundlagen der organischen Chemie, sondern auch das "Gewusst wie" fast schon spielerisch vermittelt. Nicht nur für Chemiestudenten, auch für Biochemiker, Pharmazeuten, Biologen und Mediziner ist der "Vollhardt/Schore" der fachliche Grundstock für die organische Chemie.

This book contains recent research on phenolic resin and its composite materials. The book covers all types of wood composites, natural fibres and synthetic fibres reinforced composites. It discusses various properties of phenolic composites and presents comparative study with other polymer composites for prospective applications. The chapters in the book present an up-to-date information on the subject area of polymer and composite-based information by prominent researchers in academia and industry as well as government/private research laboratories across the world. The book serves as a holistic reference source for university and college faculties, professionals, postdoctoral research fellows, undergraduate/graduate students, and research and science officers working in the area of polymer science, non-forest products utilization, natural fibres and biomass materials.

The Grants Register 2016

The Complete Study Guide

African American Women Chemists in the Modern Era

The Organic Chemistry of Drug Design and Drug Action

Issues in Medical Chemistry: 2011 Edition

Größen, Einheiten und Symbole in der Physikalischen Chemie

*This resource manual for college-level science instructors reevaluates the role of testing in their curricula and describes innovative techniques pioneered by other teachers. part I examines the effects of the following on lower-division courses: changes in exam content, format, and environment; revisions in grading practices; student response; colleague reaction' the sharing of new practices with other interested professionals, and more. The book includes a comprehensive introduction, faculty-composed narratives, commentaries by well-known science educators, and a visual index to 100 more refined innovations.*

*The most comprehensive guide on postgraduate grants and professional funding globally. For thirty-four years it has been the leading source for up-to-date information on the availability of, and eligibility for, postgraduate and professional awards. Each entry is verified by its awarding body and all information is updated annually.*

*Unentbehrlich für jeden Chemiker – die offiziellen IUPAC-Richtlinien in deutscher Sprache! Viele Fehler und Mißverständnisse könnten vermieden werden, wenn man sich an eine einheitliche Terminologie und Symbolik hielte – natürlich ist dies eine Binsenweisheit, doch wünscht sich nicht jeder, Lernender wie Lehrender, ein wenig Hilfestellung in Zweifelsfällen? Dieses Buch enthält als 'letzte Instanz' die offiziellen IUPAC-Richtlinien: Kompetent, zuverlässig und vollständig gibt es Antwort auf alle Fragen zu Begriffen, Definitionen und Schreibweisen aus dem Bereich der Physikalischen Chemie. Jeder, der ein naturwissenschaftliches Manuskript verfassen oder verstehen möchte, wird dieses Buch gerne zu Rate ziehen.*

*The Cambridge Handbook of Computing Education Research*

*Chemische Krystallographie*

*Who's who in Technology Today*

**Das international bewährte Lehrbuch für Nebenfachstudierende jetzt erstmals in deutscher Sprache – übersichtlich, leicht verständlich, mit vielen Beispielen, Exkursen, Aufgaben und begleitendem Arbeitsbuch. Wie sind Moleküle aufgebaut? Wie bestimmt man die Struktur einer organischen Verbindung? Was sind Säuren und Basen? Welche Bedeutung hat Chiralität in der Biologie und Chemie? Welche Kunststoffe werden in großen Mengen wiederverwertet? Was ist der genetische Code? Dieses neue Lehrbuch gibt Antworten auf diese und alle anderen wesentlichen Fragen der Organischen Chemie. Die wichtigsten Verbindungsklassen, ihre Eigenschaften und Reaktionen werden übersichtlich und anschaulich dargestellt. Zahlreiche Praxisbeispiele, eine umfassende**

*Aufgabensammlung und kompakte Zusammenfassungen am Ende eines jeden Kapitels erleichtern das Lernen und Vertiefen des Stoffes. Mit seinem bewährten Konzept und erstmals in deutscher Sprache ist der "Brown/Poon" eine unverzichtbare Lektüre für Dozenten und Studierende an Universitäten und Fachhochschulen in den Disziplinen Chemie, Biochemie, Biologie, Pharmazie, Medizin, Chemieingenieurwesen und Verfahrenstechnik. Zusätzlich zum Lehrbuch ist ein kompaktes Arbeitsbuch erhältlich, das ausführliche Lösungswege zu den Aufgaben im Lehrbuch enthält. Auch als preislich attraktives Set erhältlich.*

*Dieses Buch leitet Sie zum selbstständigen Lösen anspruchsvoller Probleme an. Es ist optimal geeignet für Studierende zur Prüfungsvorbereitung und zur Vertiefung des Lehrstoffs in physikalischer Chemie. Schärfen Sie Ihre Fähigkeiten im Problemlösen in einem breiten Aufgabenspektrum von stöchiometrischem Rechnen bis zur Molekülspektroskopie. Jedes Kapitel wird mit einem Überblick über Grundlagenwissen eingeleitet. Die Lösungswege werden ausführlich besprochen. Neben inhaltlichen Bezügen zwischen den Themengebieten wird akzentuiert auf methodische Gemeinsamkeiten der Lösungswege hingewiesen. Der umfangreiche mathematische Anhang ist passgenau zugeschnitten auf physikalisch-chemische Rechenmethoden und macht das Buch zu einem praktischen Begleiter durchs Studium. Darüberhinaus ist das Buch ein Ideengeber für Dozenten zur Vorbereitung von Lehrveranstaltungen.*