

Chemistry Revision Guide David Bevan

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Understanding Pure Mathematics - A. J. Sadler 1987

This textbook covers in one volume all topics required in the pure mathematics section of single subject A-Level Mathematics syllabuses in the UK, as well as a significant part of the work required by those studying for Further Mathematics and for A-Level

Markets in Profile - James F. Dalton 2011-01-11

Markets in Profile explores the confluence of three disparate philosophical frameworks: the Market Profile, behavioral finance, and neuroeconomics in order to present a unified theory of how markets work. The Market Profile is an ever-evolving, multidimensional graphic that gives visual form to the market's continuing auction process, revealing the myriad underlying dynamics that influence market activity. Behavioral finance posits that investors are driven more by emotional factors and the subjective interpretation of minutia than by "rationality" when making investment decisions. And neuroeconomics is the study of how investor psychology permeates and affects the financial markets. Mr. Dalton explicates the ways in which irrational human behavior influences the market's natural auction process, creating frequently predictable market structure, which results in opportunities for investors to ameliorate risk. The book will improve investors ability to interpret change in markets, enabling better, more confident investment decisions.

An Introduction to Mineral Sciences - Andrew Putnis 1992-10-22

The subject of mineralogy is moving away from the traditional systematic treatment of mineral groups toward the study of the behaviour of minerals in relation to geological processes. A knowledge of how minerals respond to a changing geological environment is fundamental to our understanding of many dynamic earth processes. By adopting a materials science approach, *An Introduction to Mineral Sciences* explains the principles underlying the modern study of minerals, discussing the behaviour of crystalline materials with changes in temperature, pressure and chemical environment. The concepts required to understand mineral behaviour are often complex, but are presented here in simple, non-mathematical terms for undergraduate mineralogy students. After introductory chapters describing the principles of diffraction, imaging and the spectroscopic methods used to study minerals, the structure and behaviour of the main groups of rock-forming minerals are covered, and the role of defects in the deformation and transformation of a mineral are explained. The energy changes and the rate of transformation processes are introduced using a descriptive approach rather than attempting a complete and rigorous treatment of the thermodynamics and kinetics. Examples and case histories from a range of mineral groups are set in an earth science context, such that the emphasis of this book is to allow the student to develop an intuitive understanding of the structural principles controlling the behaviour of minerals.

Risk Factors for Cerebrovascular Disease and Stroke - Sudha Seshadri 2016-03-07

Risk Factors for Cerebrovascular Disease and Stroke address the relationship of a wide variety of vascular risk factors in the spectrum of cerebrovascular diseases. An international group of professionals the forefront of research and education, provide their expertise about environmental and genetic determinants for cerebrovascular disease and stroke. The authors aim to provide information on developments of genetic, environmental and lifestyle-related risk factors of various subtypes of stroke, and MRI-markers of cerebrovascular disease. One in two men, and one in three women after the age of 40, will develop a stroke

in their lifetime. The burden of cerebrovascular disease extends far beyond that of acute clinical events such as stroke, with "covert" vascular injury on brain MRI being highly prevalent in older community-dwelling persons. Therefore, improving our understanding of the risk factors for stroke and cerebrovascular disease is of paramount importance for improving prevention strategies. Secular trends in stroke epidemiology, risk factors, and intermediate markers (including carotid ultrasound, brain MRI and circulating biomarkers) are presented. Cutting edge information on genetic, environmental and lifestyle-related risk factors of various subtypes of stroke and MRI-markers of cerebrovascular diseases are displayed. This important book is an essential reference to physicians interested in more effective primary prevention of stroke.

Preventing Dementia? - Annette Leibing 2020-10-06

The conceptualization of dementia has changed dramatically in recent years with the claim that, through early detection and by controlling several risk factors, a prevention of dementia is possible. Although encouraging and providing hope against this feared condition, this claim is open to scrutiny. This volume looks at how this new conceptualization ignores many of the factors which influence a dementia sufferers' prognosis, including their history with education, food and exercise as well as their living in different epistemic cultures. The central aim is to question the concept of prevention and analyze its impact on aging people and aging societies.

Oxford Textbook of Cancer Biology - Francesco Pezzella 2019-05-02

The study of the biology of tumours has grown to become markedly interdisciplinary, involving chemists, statisticians, epidemiologists, mathematicians, bioinformaticians, and computer scientists alongside biologists, geneticists, and clinicians. The Oxford Textbook of Cancer Biology brings together the most up-to-date developments from different branches of research into one coherent volume, providing a comprehensive and current account of this rapidly evolving field. Structured in eight sections, the book starts with a review of the development and biology of multi-cellular organisms, how they maintain a healthy homeostasis in an individual, and a description of the molecular basis of cancer development. The book then illustrates, as once cells become neoplastic, their signalling network is altered and pathological behaviour follows. It explores the changes that cancer cells can induce in nearby normal tissue, the new relationship established between them and the stroma, and the interaction between the immune system and tumour growth. The authors illustrate the contribution provided by high throughput techniques to map cancer at different levels, from genomic sequencing to cellular metabolic functions, and how information technology, with its vast amounts of data, is integrated with traditional cell biology to provide a global view of the disease. The effect of the different types of treatments on the biology of the neoplastic cells are explored to understand on the one side, why some treatments succeed, and on the other, how they can affect the biology of resistant and recurrent disease. The book concludes by summarizing what we know to date about cancer, and in what direction our understanding of cancer is moving. Edited by leading authorities in the field with an international team of contributors, this book is an essential resource for scholars and professionals working in the wide variety of sub-disciplines that make up today's cancer research and treatment community. It is written not only for consultation, but also for easy cover-to-cover reading.

When God Talks Back - T.M. Luhrmann 2012-11-13

A New York Times Notable Book A Kirkus Reviews Best Book of 2012 A bold approach to understanding the American evangelical experience from an anthropological and psychological perspective by one of the country's most prominent anthropologists. Through a series of intimate, illuminating interviews with various members of the Vineyard, an evangelical church with hundreds of congregations across the country, Tanya Luhrmann leaps into the heart of evangelical faith. Combined with scientific research that studies the effect that intensely practiced prayer can have on the mind, *When God Talks Back* examines how normal, sensible people—from college students to accountants to housewives, all functioning perfectly well within our society—can attest to having the signs and wonders of the supernatural become as quotidian and as ordinary as laundry. Astute, sensitive, and extraordinarily measured in its approach to the interface between science and religion, Luhrmann's book is sure to generate as much conversation as it will praise.

Humans to Mars - David S. F. Portree 2001

Cambridge International AS & A Level Mathematics Pure Mathematics 1 second edition - Sophie Goldie 2018-04-03

Exam board: Cambridge Assessment International Education Level: A-level Subject: Mathematics First teaching: September 2018 First exams: Summer 2020 Endorsed by Cambridge Assessment International Education to provide full support for Paper 1 of the syllabus for examination from 2020. Take mathematical understanding to the next level with this accessible series, written by experienced authors, examiners and teachers. - Improve confidence as a mathematician with clear explanations, worked examples, diverse activities and engaging discussion points. - Advance problem-solving, interpretation and communication skills through a wealth of questions that promote higher-order thinking. - Prepare for further study or life beyond the classroom by applying mathematics to other subjects and modelling real-world situations. - Reinforce learning with opportunities for digital practice via links to the Mathematics in Education and Industry's (MEI) Integral platform in the eTextbooks.* *To have full access to the eTextbooks and Integral resources you must be subscribed to both Dynamic Learning and Integral. To trial our eTextbooks and/or subscribe to Dynamic Learning, visit: www.hoddereducation.co.uk/dynamic-learning; to view samples of the Integral resources and/or subscribe to Integral, visit integralsmaths.org/international Please note that the Integral resources have not been through the Cambridge International endorsement process. This book covers the syllabus content for Pure Mathematics 1, including quadratics, functions, coordinate geometry, the circular measure, trigonometry, series, differentiation and integration. Available in this series: Five textbooks fully covering the latest Cambridge International AS & A Level Mathematics syllabus (9709) are accompanied by a Workbook, and Student and Whiteboard eTextbooks. Pure Mathematics 1: Student Textbook (ISBN 9781510421721), Student eTextbook (ISBN 9781510420762), Whiteboard eTextbook (ISBN 9781510420779), Workbook (ISBN 9781510421844) Pure Mathematics 2 and 3: Student Textbook (ISBN 9781510421738), Student eTextbook (ISBN 9781510420854), Whiteboard eTextbook (ISBN 9781510420878), Workbook (ISBN 9781510421851) Mechanics: Student Textbook (ISBN 9781510421745), Student eTextbook (ISBN 9781510420953), Whiteboard eTextbook (ISBN 9781510420977), Workbook (ISBN 9781510421837) Probability & Statistics 1: Student Textbook (ISBN 9781510421752), Student eTextbook (ISBN 9781510421066), Whiteboard eTextbook (ISBN 9781510421097), Workbook (ISBN 9781510421875) Probability & Statistics 2: Student Textbook (ISBN 9781510421776), Student eTextbook (ISBN 9781510421158), Whiteboard eTextbook (ISBN 9781510421165), Workbook (9781510421882)

Advances in Hydrogen Production, Storage and Distribution - Adolfo Lulianelli 2014-07-16

Advances in Hydrogen Production, Storage and Distribution reviews recent developments in this key component of the emerging "hydrogen economy," an energy infrastructure based on hydrogen. Since hydrogen can be produced without using fossil fuels, a move to such an economy has the potential to reduce greenhouse gas emissions and improve energy security. However, such a move also requires the advanced production, storage and usage techniques discussed in this book. Part one introduces the fundamentals of hydrogen production, storage, and distribution, including an overview of the development of the necessary infrastructure, an analysis of the potential environmental benefits, and a review of some important hydrogen production technologies in conventional, bio-based, and nuclear power plants. Part two focuses on hydrogen production from renewable resources, and includes chapters outlining the production of hydrogen through

water electrolysis, photocatalysis, and bioengineered algae. Finally, part three covers hydrogen production using inorganic membrane reactors, the storage of hydrogen, fuel cell technology, and the potential of hydrogen as a fuel for transportation. *Advances in Hydrogen Production, Storage and Distribution* provides a detailed overview of the components and challenges of a hydrogen economy. This book is an invaluable resource for research and development professionals in the energy industry, as well as academics with an interest in this important subject. Reviews developments and research in this dynamic area Discusses the challenges of creating an infrastructure to store and distribute hydrogen Reviews the production of hydrogen using electrolysis and photo-catalytic methods

Complete Chemistry - Rosemarie Gallagher 2000

Complete Chemistry is a revised and enlarged edition of the popular GCSE Chemistry improved to bring it totally up-to-date. This book covers all syllabuses with core material, for Double Award, and extension material, for Science: Chemistry. The breadth and depth is sufficient to stretch your students aiming for the top grades and makes it an excellent foundation for those intending to progress to advanced level chemistry. Key Points: · Now includes all the necessary topics for IGCSE · Concepts and principles of chemistry presented in a clear, straightforward style · Lively and colourful coverage of the relevance of chemistry in the real world · End of chapter testing with more challenging and structured questions · Examination style questions · Pagination remains the same as GCSE Chemistry so that the two can be used alongside each other

Medicating Race - Anne Pollock 2012-10-02

In *Medicating Race*, Anne Pollock traces the intersecting discourses of race, pharmaceuticals, and heart disease in the United States over the past century, from the founding of cardiology through the FDA's approval of BiDil, the first drug sanctioned for use in a specific race. She examines wide-ranging aspects of the dynamic interplay of race and heart disease: articulations, among the founders of American cardiology, of heart disease as a modern, and therefore white, illness; constructions of "normal" populations in epidemiological research, including the influential Framingham Heart Study; debates about the distinctiveness African American hypertension, which turn on disparate yet intersecting arguments about genetic legacies of slavery and the comparative efficacy of generic drugs; and physician advocacy for the urgent needs of black patients on professional, scientific, and social justice grounds. Ultimately, Pollock insists that those grappling with the meaning of racialized medical technologies must consider not only the troubled history of race and biomedicine but also its fraught yet vital present. Medical treatment should be seen as a site of, rather than an alternative to, political and social contestation. The aim of scholarly analysis should not be to settle matters of race and genetics, but to hold medicine more broadly accountable to truth and justice.

Mediation - Klaus J. Hopt 2018-12-13

Mediation provides an attractive alternative to resolving disputes through court proceedings. Mediation promises just results in the interest of all parties concerned, a reduction of the court caseload, and cost savings for the parties involved as well as for the treasury. The European Directive on Mediation has given mediation in Europe new momentum by establishing a common framework for cross-border mediation. Beyond Europe, many states have tried in recent years to answer the question whether, and if so, how mediation should be regulated at a national and international level. The aim of this book is to promote the understanding and discussion of regulatory issues by presenting comparative research on mediation. It describes and analyses the law and practice of mediation in twenty-two countries. Europe is represented by chapters on mediation in Austria, Bulgaria, England, France, Germany, Greece, Hungary, Ireland, Italy, the Netherlands, Norway, Poland, Portugal and Spain. The world beyond Europe is analysed in chapters on mediation in Australia, Canada, China, Japan, New Zealand, Russia, Switzerland and the USA. Against this background, further chapters on fundamental issues identify possible regulatory models and discuss central principles of mediation law and practice. In particular, the work considers harmonisation and diversity in the law of mediation as well as the economic and constitutional problems associated with privatising civil justice. To the extent available, empirical research is used as a point of reference in the critical analysis.

The Cambridge History of the Book in Britain - Former Director of the Warburg Institute and Professor Emeritus of the History of Classical Tradition J B Trapp 1998

This volume of The Cambridge History of the Book in Britain presents an overview of the century-and-a-half between the death of Chaucer in 1400 and the incorporation of the Stationers' Company in 1557. The profound changes during that time in social, political and religious conditions are reflected in the dissemination and reception of the written word. The manuscript culture of Chaucer's day was replaced by an ambience in which printed books would become the norm. The emphasis in this collection of essays is on the demand and use of books. Patterns of ownership are identified as well as patterns of where, why and how books were written, printed, bound, acquired, read and passed from hand to hand. The book trade receives special attention, with emphasis on the large part played by imports and on links with printers in other countries, which were decisive for the development of printing and publishing in Britain.

Complete Chemistry for Cambridge IGCSE® - RoseMarie Gallagher 2015-09-03

Fully updated and matched to the Cambridge syllabus, this stretching Student Book is trusted by teachers around the world to support advanced understanding and achievement at IGCSE. The popular, stretching approach will help students to reach their full potential. Written by experienced authors, this updated edition is full of engaging content with up-to-date examples to cover all aspects of the Cambridge syllabus. The step-by-step approach will lead students through the course in a logical learning order building knowledge and practical skills with regular questions and practical activities. Extension material will stretch the highest ability students and prepare them to take the next step in their learning. Practice exam questions will consolidate student understanding and prepare them for exam success. You will also receive free access to extra support online, including practice exam questions, revision checklists and advice on how to prepare for an examination.

Cambridge International AS & A Level Mathematics Probability & Statistics 1 - Sophie Goldie 2018-05-14
Exam board: Cambridge Assessment International Education Level: A-level Subject: Mathematics First teaching: September 2018 First exams: Summer 2020 Endorsed by Cambridge Assessment International Education to provide full support for Paper 5 of the syllabus for examination from 2020. Take mathematical understanding to the next level with this accessible series, written by experienced authors, examiners and teachers. - Improve confidence as a mathematician with clear explanations, worked examples, diverse activities and engaging discussion points. - Advance problem-solving, interpretation and communication skills through a wealth of questions that promote higher-order thinking. - Prepare for further study or life beyond the classroom by applying mathematics to other subjects and modelling real-world situations. - Reinforce learning with opportunities for digital practice via links to the Mathematics in Education and Industry's (MEI) Integral platform in the eTextbooks.* *To have full access to the eTextbooks and Integral resources you must be subscribed to both Dynamic Learning and Integral. To trial our eTextbooks and/or subscribe to Dynamic Learning, visit: www.hoddereducation.co.uk/dynamic-learning; to view samples of the Integral resources and/or subscribe to Integral, visit integralmaths.org/international Please note that the Integral resources have not been through the Cambridge International endorsement process. This book covers the syllabus content for Probability and Statistics 1, including representation of data, permutations and combinations, probability, discrete random variables and the normal distribution. Available in this series: Five textbooks fully covering the latest Cambridge International AS & A Level Mathematics syllabus (9709) are accompanied by a Workbook, and Student and Whiteboard eTextbooks. Pure Mathematics 1: Student Textbook (ISBN 9781510421721), Student eTextbook (ISBN 9781510420762), Whiteboard eTextbook (ISBN 9781510420779), Workbook (ISBN 9781510421844) Pure Mathematics 2 and 3: Student Textbook (ISBN 9781510421738), Student eTextbook (ISBN 9781510420854), Whiteboard eTextbook (ISBN 9781510420878), Workbook (ISBN 9781510421851) Mechanics: Student Textbook (ISBN 9781510421745), Student eTextbook (ISBN 9781510420953), Whiteboard eTextbook (ISBN 9781510420977), Workbook (ISBN 9781510421837) Probability & Statistics 1: Student Textbook (ISBN 9781510421752), Student eTextbook (ISBN 9781510421066), Whiteboard eTextbook (ISBN 9781510421097), Workbook (ISBN 9781510421875) Probability & Statistics 2: Student Textbook (ISBN 9781510421776), Student eTextbook (ISBN 9781510421158), Whiteboard eTextbook (ISBN 9781510421165), Workbook (9781510421882)
Cambridge International AS/A Level Chemistry Study and Revision Guide Third Edition - David Bevan 2022-01-14

Stretch yourself to achieve the highest grades, with structured syllabus coverage, varied exam-style

questions and annotated sample answers, to help you to build the essential skill set for exam success. - Benefit from expert advice and tips on skills and knowledge from experienced subject authors - Effectively manage your revision with a brand-new introduction that clearly outlines what is expected from you in the exam - Keep track of your own progress with a handy revision planner - Use the new glossary-index section to identify and address gaps in knowledge - Consolidate and apply your understanding of key content and skills with short 'Test yourself' and exam-style questions

Cambridge International AS&a Level Mathematics Pure Mathematics 1 - Sophie Goldie 2018-02-23
Endorsed by Cambridge Assessment International Education to provide full support for Paper 1 of the syllabus for examination from 2020. Take mathematical understanding to the next level with this accessible series, written by experienced authors, examiners and teachers. - Improve confidence as a mathematician with clear explanations, worked examples, diverse activities and engaging discussion points. - Advance problem-solving, interpretation and communication skills through a wealth of questions that promote higher-order thinking. - Prepare for further study or life beyond the classroom by applying mathematics to other subjects and modelling real-world situations. - Reinforce learning with opportunities for digital practice via links to the Mathematics in Education and Industry's (MEI) Integral platform in the eTextbooks.* *To have full access to the eTextbooks and Integral resources you must be subscribed to both Dynamic Learning and Integral. To trial our eTextbooks and/or subscribe to Dynamic Learning, visit: www.hoddereducation.co.uk/dynamic-learning; to view samples of the Integral resources and/or subscribe to Integral, visit www.integralmaths.org. This book covers the syllabus content for Pure Mathematics 1, including quadratics, functions, coordinate geometry, circular measure, trigonometry, series, differentiation and integration. Available in this series: Five textbooks fully covering the latest Cambridge International AS & A Level Mathematics syllabus (9709) are accompanied by a Workbook, and Student and Whiteboard eTextbooks. Pure Mathematics 1: Student Textbook (ISBN 9781510421721), Student eTextbook (ISBN 9781510420762), Whiteboard eTextbook (ISBN 9781510420779), Workbook (ISBN 9781510421844) Pure Mathematics 2 and 3: Student Textbook (ISBN 9781510421738), Student eTextbook (ISBN 9781510420854), Whiteboard eTextbook (ISBN 9781510420878), Workbook (ISBN 9781510421851) Mechanics: Student Textbook (ISBN 9781510421745), Student eTextbook (ISBN 9781510420953), Whiteboard eTextbook (ISBN 9781510420977), Workbook (ISBN 9781510421837) Probability & Statistics 1: Student Textbook (ISBN 9781510421752), Student eTextbook (ISBN 9781510421066), Whiteboard eTextbook (ISBN 9781510421097), Workbook (ISBN 9781510421875) Probability & Statistics 2: Student Textbook (ISBN 9781510421776), Student eTextbook (ISBN 9781510421158), Whiteboard eTextbook (ISBN 9781510421165), Workbook (9781510421882)

Cambridge International A/AS - Level Chemistry - Peter Cann 2015-01-30

Endorsed by Cambridge International Examinations Covers the entire syllabus for Cambridge International Examinations' International AS and A Level Chemistry (9701). It is divided into separate sections for AS and A Level making it ideal for students studying both the AS and the A Level and also those taking the AS examinations at the end of their first year. - Explains difficult concepts using language that is appropriate for students around the world - Provides practice throughout the course with carefully selected past paper questions at the end of each chapter - Lets students work through problems at their own pace, with a free Revision and practice CD which includes interactive tests, answers to selected questions, additional activities, and a glossary - Answers to the questions in the Student's Book can be found on the Teacher's CD
Cambridge International AS/A Level Physics Revision Guide second edition - Richard Woodside 2016-01-25

Get your best grades with this exam-focused text that will guide you through the content and skills you need to prepare for the big day. Manage your own revision with step-by-step support from experienced examiner and author Richard Woodside. This guide also includes a Questions and Answers section with exam-style questions, student's answers for each question, and examiner comments to ensure you're exam-ready. - Plan and pace your revision with the revision planner - Use the expert tips to clarify key points - Avoid making typical mistakes with expert advice - Test yourself with end-of-topic questions and answers and tick off each topic as you complete it - Practise your exam skills with exam-style questions and answers This title has not been through the Cambridge International endorsement process.

Oxford Textbook of Communication in Oncology and Palliative Care - David W. Kissane 2017

Revised edition of: Handbook of communication in oncology and palliative care. Pbk. ed. 2011.

Setting Up and Running a School Library - Nicola Baird 1994

Diagrams and practical examples from teachers' experiences around the world illustrate the advice given. Shows how to choose books, a room and resources. Explains how to establish a simple classification and cataloguing system. Shows how to encourage active teacher and student involvement. Explains how to make the most of limited resources. Ideal for teachers and others who are not trained librarians.

Comparative Policy Agendas - Frank R. Baumgartner 2019-03-14

This book summarizes recent advances in the work on agenda-setting in a comparative perspective. The book first presents and explains the data-gathering effort undertaken within the Comparative Agendas Project over the past ten years. Individual country chapters then present the research undertaken within the many national projects. The third section illustrates the possibilities and directions for new research in comparative public policy using the data presented in this book. All the data used and discussed in the book is moreover publicly available. The book represents a significant contribution to the study of comparative public policy. By introducing a unified research infrastructure it opens up new possibilities for both empirical and theoretical research in this area.

Learning and Behavior - Paul Chance 2013-03-01

LEARNING AND BEHAVIOR, Seventh Edition, is stimulating and filled with high-interest queries and examples. Based on the theme that learning is a biological mechanism that aids survival, this book embraces a scientific approach to behavior but is written in clear, engaging, and easy-to-understand language. Available with InfoTrac Student Collections <http://gocengage.com/infotrac>. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Handbook of Wood Chemistry and Wood Composites - Roger M. Rowell 2005-02-18

The degradable nature of high-performance, wood-based materials is an attractive advantage when considering environmental factors such as sustainability, recycling, and energy/resource conservation. The Handbook of Wood Chemistry and Wood Composites provides an excellent guide to the latest concepts and technologies in wood chemistry and bio-based composites. The book analyzes the chemical composition and physical properties of wood cellulose and its response to natural processes of degradation. It describes safe and effective chemical modifications to strengthen wood against biological, chemical, and mechanical degradation without using toxic, leachable, or corrosive chemicals. Expert researchers provide insightful analyses of the types of chemical modifications applied to polymer cell walls in wood, emphasizing the mechanisms of reaction involved and resulting changes in performance properties. These include modifications that increase water repellency, fire retardancy, and resistance to ultraviolet light, heat, moisture, mold, and other biological organisms. The text also explores modifications that increase mechanical strength, such as lumen fill, monomer polymer penetration, and plasticization. The Handbook of Wood Chemistry and Wood Composites concludes with the latest applications, such as adhesives, geotextiles, and sorbents, and future trends in the use of wood-based composites in terms of sustainable agriculture, biodegradability and recycling, and economics. Incorporating over 30 years of teaching experience, the esteemed editor of this handbook is well-attuned to educational demands as well as industry standards and research trends.

Cambridge International AS and A Level Chemistry Coursebook with CD-ROM - Lawrie Ryan 2014-07-31

Fully revised and updated content matching the Cambridge International AS & A Level Chemistry syllabus (9701). Endorsed by Cambridge International Examinations, the Second edition of the AS/A Level Chemistry Coursebook comprehensively covers all the knowledge and skills students need for AS/A Level Chemistry 9701 (first examination 2016). Written by renowned experts in Chemistry, the text is written in an accessible style with international learners in mind. The Coursebook is easy to navigate with colour-coded sections to differentiate between AS and A Level content. Self-assessment questions allow learners to track their progression and exam-style questions help learners to prepare thoroughly for their examinations. Contemporary contexts and applications are discussed throughout enhancing the relevance and interest for learners.

An Introduction to Polymer Physics - David I. Bower 2002-05-30

Publisher Description

Macleod's Clinical Examination E-Book - Graham Douglas 2013-06-21

This classic textbook sets out clearly and concisely how to evaluate symptoms and elicit relevant physical signs. It describes the practical skills which every clinician must acquire and develop in order to evolve diagnostic procedures and management strategies and plans. 'Highly Commended' in the 2006 and 2010 BMA Medical Book Competitions, this Thirteenth Edition contains over 500 clinical photographs and diagrams to illustrate the text, with new topics added to make the book even more comprehensive. This Thirteenth Edition has four sections: History taking and general examination. System examination covering symptoms and signs. Examination in special situations including babies & children and the critically ill. How to pass an OSCE. Included on the Student Consult site are the specially-recorded videos demonstrating many of the clinical examination routines described in the main text. The book starts with a general overview section on history taking and the general examination that provide the framework on which to hang the detail. The systematic examination section documents clearly the relevant history, examination and special investigations as well as giving advice on their significance. The third section covers examination in specific situations and emphasises an integrated and structured approach to these patients. A final section spells out how to demonstrate the techniques learned in the book in an OSCE. Macleod's is closely linked to its sister publication, Davidson's Principles & Practice of Medicine, which complements the information in this text. Available with full online access on Student Consult and ancillary videos demonstrating key clinical examination routines following the format laid out in the book. There are two new chapters on examination in specific situations: The frail elderly The adult with fever A new section explicitly spells out how to demonstrate the techniques learned in the book in an OSCE and other formative and summative examinations. Over 50 new text boxes highlight the evidence-base for the examination techniques discussed. An Advisory Board of students, junior doctors, and representatives from the nursing, ambulance, Primary Care and academic communities from six countries has made detailed comments and critically appraised the entire book. The text has been substantially rewritten with more on medically unexplained symptoms in the History Taking chapter and extended coverage of diabetes mellitus in the Endocrine System chapter. Integrated with the online text are clinical examination videos of trained professionals performing many of the examination routines described in the book with an accompanying commentary by the Editor, Professor Colin Robertson Two new videos show how the Glasgow Coma Scale should be performed in clinical situations, demonstrating the correct techniques and also common pitfalls in using the GCS.

Drug-like Properties: Concepts, Structure Design and Methods - Li Di 2010-07-26

Of the thousands of novel compounds that a drug discovery project team invents and that bind to the therapeutic target, typically only a fraction of these have sufficient ADME/Tox properties to become a drug product. Understanding ADME/Tox is critical for all drug researchers, owing to its increasing importance in advancing high quality candidates to clinical studies and the processes of drug discovery. If the properties are weak, the candidate will have a high risk of failure or be less desirable as a drug product. This book is a tool and resource for scientists engaged in, or preparing for, the selection and optimization process. The authors describe how properties affect in vivo pharmacological activity and impact in vitro assays. Individual drug-like properties are discussed from a practical point of view, such as solubility, permeability and metabolic stability, with regard to fundamental understanding, applications of property data in drug discovery and examples of structural modifications that have achieved improved property performance. The authors also review various methods for the screening (high throughput), diagnosis (medium throughput) and in-depth (low throughput) analysis of drug properties. * Serves as an essential working handbook aimed at scientists and students in medicinal chemistry * Provides practical, step-by-step guidance on property fundamentals, effects, structure-property relationships, and structure modification strategies * Discusses improvements in pharmacokinetics from a practical chemist's standpoint

The Democratic Sublime - Jason Frank 2021-03-15

The transition from royal to popular sovereignty during the age of democratic revolutions--from 1776 to 1848--entailed not only the reorganization of institutions of governance and norms of political legitimacy, but also a dramatic transformation in the iconography and symbolism of political power. The personal and

external rule of the king, whose body was the physical locus of political authority, was replaced with the impersonal and immanent self-rule of the people, whose power could not be incontestably embodied. This posed representational difficulties that went beyond questions of institutionalization and law, extending into the aesthetic realm of visualization, composition, and form. How to make the people's sovereign will tangible to popular judgment was, and is, a crucial problem of democratic political aesthetics. The Democratic Sublime offers an interdisciplinary exploration of how the revolutionary proliferation of popular assemblies--crowds, demonstrations, gatherings of the "people out of doors"--came to be central to the political aesthetics of democracy during the age of democratic revolutions. Jason Frank argues that popular assemblies allowed the people to manifest as a collective actor capable of enacting dramatic political reforms and change. Moreover, Frank asserts that popular assemblies became privileged sites of democratic representation as they claimed to support the voice of the people while also signaling the material plenitude beyond any single representational claim. Popular assemblies continue to retain this power, in part, because they embody that which escapes representational capture: they disrupt the representational space of appearance and draw their power from the ineffability and resistant materiality of the people's will. Engaging with a wide range of sources, from canonical political theorists (Rousseau, Burke, and Tocqueville) to the novels of Hugo, the visual culture of the barricades, and the memoirs of popular insurgents, The Democratic Sublime demonstrates how making the people's sovereign will tangible to popular judgment became a central dilemma of modern democracy, and how it remains so today.

Toxicological Profile for Polycyclic Aromatic Hydrocarbons - 1995

A History of the Theories of Aether and Electricity - Edmund T. Whittaker 1987

Market: Physicists, interested lay readers, and historians of science. This survey of the history of electrodynamics provides insight into the revolutionary advances made in physics during 19th and the first quarter of the 20th centuries. The first volume covers the theories of classical physics from the time of Plato to the end of the 19th century. The second volume examines the origins of the discoveries that paved the way for modern physics with the emphasis on special relativity, quantum theories, general relativity, matrix mechanics, and wave mechanics.

Cambridge International AS and A Level Chemistry Revision Guide - David Bevan 2011

Focus your revision, build your confidence and strengthen your exam technique with this series of revision guides for AS and A-level international sciences.

The SAGE Handbook of Case-Based Methods - David Byrne 2009-07-01

This handbook provides a clear examination of case-oriented research. It defines case-based social research as a subfield of methodology.

Reproductive Injustice - Dana-Ain Davis 2019-06-25

A troubling study of the role that medical racism plays in the lives of black women who have given birth to premature and low birth weight infants Black women have higher rates of premature birth than other women in America. This cannot be simply explained by economic factors, with poorer women lacking resources or access to care. Even professional, middle-class black women are at a much higher risk of premature birth than low-income white women in the United States. Dána-Ain Davis looks into this phenomenon, placing racial differences in birth outcomes into a historical context, revealing that ideas about reproduction and race today have been influenced by the legacy of ideas which developed during the era of slavery. While poor and low-income black women are often the "mascots" of premature birth outcomes, this book focuses on professional black women, who are just as likely to give birth prematurely. Drawing on an impressive array of interviews with nearly fifty mothers, fathers, neonatologists, nurses, midwives, and reproductive

justice advocates, Dána-Ain Davis argues that events leading up to an infant's arrival in a neonatal intensive care unit (NICU), and the parents' experiences while they are in the NICU, reveal subtle but pernicious forms of racism that confound the perceived class dynamics that are frequently understood to be a central factor of premature birth. The book argues not only that medical racism persists and must be considered when examining adverse outcomes—as well as upsetting experiences for parents—but also that NICUs and life-saving technologies should not be the only strategies for improving the outcomes for black pregnant women and their babies. Davis makes the case for other avenues, such as community-based birthing projects, doulas, and midwives, that support women during pregnancy and labor are just as important and effective in avoiding premature births and mortality.

Cambridge International AS/A Level Chemistry Revision Guide 2nd edition - David Bevan 2016-01-25

Get your best grades with this exam-focused text that will guide you through the content and skills you need to prepare for the big day. Manage your own revision with step-by-step support from experienced examiner and author David Bevan. This guide also includes a Questions and Answers section with exam-style questions, student's answers for each question, and examiner comments to ensure you're exam-ready. - Plan and pace your revision with the revision planner - Use the expert tips to clarify key points - Avoid making typical mistakes with expert advice - Test yourself with end-of-topic questions and answers and tick off each topic as you complete it - Practise your exam skills with exam-style questions and answers This title has not been through the Cambridge International endorsement process.

Lunar Sourcebook - Grant Heiken 1991-04-26

The only work to date to collect data gathered during the American and Soviet missions in an accessible and complete reference of current scientific and technical information about the Moon.

Modern Coordination Chemistry - Neil Winterton 2007-10-31

Coordination chemistry, as we know it today, has been shaped by major figures from the past, one of whom was Joseph Chatt. Beginning with a description of Chatt's career presented by co-workers, contemporaries and students, this fascinating book then goes on to show how many of today's leading practitioners in the field, working in such diverse areas as phosphines, hydrogen complexes, transition metal complexes and nitrogen fixation, have been influenced by Chatt. The reader is then brought right up-to-date with the inclusion of some of the latest research on these topics, all of which serves to underline Chatt's continuing legacy. Intended as a permanent record of Chatt's life, work and influence, this book will be of interest to lecturers, graduate students, researchers and science historians.

Cambridge International AS and A Level Chemistry Revision Guide - Judith Potter 2015-10-29

A revision guide tailored to the AS and A Level Chemistry syllabus (9701) for first examination in 2016. This Revision Guide offers support for students as they prepare for their AS and A Level Chemistry (9701) exams. Containing up to date material that matches the syllabus for examination from 2016 and packed full of guidance such as Worked Examples, Tips and Progress Check questions throughout to help students to hone their revision and exam technique and avoid common mistakes. These features have been specifically designed to help students apply their knowledge in exams. Written in a clear and straightforward tone, this Revision Guide is perfect for international learners.

Solid State Chemistry - Chintamani Nagesa Ramachandra Rao 1995

Solid State Chemistry today is a frontier area of mainstream chemistry, and plays a vital role in the development of materials. The present work, consisting of a selection of Prof. C N R Rao's papers, covers most of the important aspects of solid state chemistry and provides the flavor of the subject, showing how the subject has evolved over the years. The book is up-to-date, and will be useful to students, teachers, beginning researchers and practitioners in solid state chemistry as well as in the broader area of materials science.