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Biochemistry - Jeremy M. Berg 2015-04-08
For four decades, this extraordinary textbook played an pivotal role in the way biochemistry is taught, offering exceptionally clear writing, innovative graphics, coverage of the latest research techniques and advances, and a signature emphasis on physiological and medical relevance. Those defining features are at the heart of this edition. See what's in the LaunchPad
Bioseparations Science and Engineering - Roger G. Harrison 2015-01-27
Designed for undergraduates, graduate students, and industry practitioners, Bioseparations Science and Engineering fills a critical need in the field of bioseparations. Current, comprehensive, and concise, it covers bioseparations unit operations in unprecedented depth. In each of the chapters, the authors use a consistent method of explaining unit operations, starting with a qualitative description noting the significance and general application of the unit operation. They then illustrate the scientific application of the operation, develop the required mathematical theory, and finally, describe the applications of the theory in engineering practice, with an emphasis on design and scaleup. Unique to this text is a chapter dedicated to bioseparations process design and economics, in which a process simular, SuperPro Designer® is used to analyze and evaluate the production of three important biological products. New to this second edition are updated discussions of moment analysis, computer simulation, membrane chromatography, and evaporation, among others, as well as revised problem sets. Unique features include basic information about bioproducts and engineering analysis and a chapter with bioseparations laboratory exercises. Bioseparations Science and Engineering is ideal for students and professionals working in or studying bioseparations, and is the premier text in the field.
Open Access - Peter Suber 2012-07-20
A concise introduction to the basics of open access, describing what it is (and isn't) and showing that it is easy, fast, inexpensive, legal, and beneficial. The Internet lets us share perfect copies of our work with a worldwide audience at virtually no cost. We take advantage of this revolutionary opportunity when we make our work “open access”: digital, online, free of charge, and free of most copyright and licensing restrictions. Open access is made possible by the Internet and copyright-holder consent, and many authors, musicians, filmmakers, and other creators who depend on royalties are understandably unwilling to give their consent. But for 350 years, scholars have written peer-reviewed journal articles for impact, not for money, and are free to consent to open access without losing revenue. In this concise introduction, Peter Suber tells us what open access is and isn't, how it benefits authors and

readers of research, how we pay for it, how it avoids copyright problems, how it has moved from the periphery to the mainstream, and what its future may hold. Distilling a decade of Suber's influential writing and thinking about open access, this is the indispensable book on the subject for researchers, librarians, administrators, funders, publishers, and policy makers.

Introduction to Mass Spectrometry - J. Throck Watson 2013-07-09
Completely revised and updated, this text provides an easy-to-read guide to the concept of mass spectrometry and demonstrates its potential and limitations. Written by internationally recognised experts and utilising "real life" examples of analyses and applications, the book presents real cases of qualitative and quantitative applications of mass spectrometry. Unlike other mass spectrometry texts, this comprehensive reference provides systematic descriptions of the various types of mass analysers and ionisation, along with corresponding strategies for interpretation of data. The book concludes with a comprehensive 3000 references. This multi-disciplined text covers the fundamentals as well as recent advance in this topic, providing need-to-know information for researchers in many disciplines including pharmaceutical, environmental and biomedical analysis who are utilizing mass spectrometry

Rapid Review Biochemistry E-Book - John W. Pelley 2010-08-27
Get the most from your study time, and experience a realistic USMLE simulation with Rapid Review Biochemistry, 3rd Edition, by Drs. John W. Pelley, and Edward F. Goljan. This new reference in the highly rated Rapid Review Series is formatted as a bulleted outline with photographs, tables, and figures that address all the biochemistry information you need to know for the USMLE. And with Student Consult functionality, you can become familiar with the look and feel of the actual exam by taking a timed or a practice online test that includes 350 USMLE-style questions. Author, John Pelley, wins 2010 Alpha Omega Alpha Robert J. Glaser Distinguished Teacher Award John Pelley PhD, an associate author of two popular medical review titles, Rapid Review Biochemistry, and Elsevier's Integrated Review Biochemistry has won the 2010 Alpha Omega Alpha (AOA) Robert J. Glaser Distinguished Teacher Award. The award was established by the AOA medical honor society in 1988 to recognize faculty members who have distinguished themselves in medical student education. He is nationally known for applying concept mapping, a learning technique that focuses on building patterns and relationships to concepts, to medical education. Review the most current information with completely updated chapters, images, and questions. Profit from the guidance of series editor, Dr. Edward Goljan, a well-known author of medical review books, who reviewed and edited every question. Take a timed or a practice test online with more than 350 USMLE-style questions and full rationales for why every possible answer is right or wrong. Access all the information you need to know quickly and easily with a user-friendly, two-color outline format that includes High-Yield Margin Notes. Study and take notes more easily with the new, larger page size. Practice with a new testing platform on USMLE Consult that gives you a realistic review experience and fully prepares you for the exam.

Biochemistry - Jeremy Mark Berg 2002-01

BRS Biochemistry, Molecular Biology, and Genetics - Michael A. Lieberman 2019-01-09
Publisher's Note: Products purchased from 3rd Party sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Practical, approachable, and perfect for today’s busy medical students and practitioners, BRS Biochemistry, Molecular Biology, and Genetics, Seventh Edition helps ensure excellence in class exams and on the USMLE Step 1. The popular Board Review Series outline format keeps content succinct and accessible for the most efficient review, accompanied by bolded key terms, detailed figures, quick-reference tables, and other aids that highlight important concepts and reinforce understanding. This revised edition is updated to reflect the latest perspectives in biochemistry, molecular biology, and genetics, with a clinical emphasis essential to success in practice. New Clinical Correlation boxes detail the real-world application of chapter concepts, and updated USMLE-style questions

with answers test retention and enhance preparation for board exams and beyond.

Physical Biochemistry - David Freifelder 1982-08-15

Suitable for advanced undergraduate and graduate students in biochemistry, this book provides clear, concise, well-exampled descriptions of the physical methods that biochemists and molecular biologists use.

Neurology in Africa - William P. Howlett 2015-08-20

This practical, comprehensive and highly illustrated book will be invaluable to students and doctors of neurology and internal medicine in Africa.

Essentials of Glycobiology - Ajit Varki 1999

Sugar chains (glycans) are often attached to proteins and lipids and have multiple roles in the organization and function of all organisms. "Essentials of Glycobiology" describes their biogenesis and function and offers a useful gateway to the understanding of glycans.

Fish Nutrition - John Halver 2013-06-25

Fish Nutrition aims to present the state of knowledge of basic and applied nutritional requirements of fishes. Most of the information found in this book involves salmonids, their nutrition, and metabolism of nutrients. This is in view of the fact that more research has been done and completed with this fish. Although applied fish nutrition is a very broad field, this book focuses on some of its aspects. These include the classes of nutrients and requirements for several types of fishes. This book comprises of 11 chapters. The first few chapters deal with the general nutrient requirements of fishes. Then, other chapters discuss calorie and energy as well as micro- and macronutrient needs and requirements. The following chapters deal with the non-nutrient components of the diet, or those that influence the characteristics of food products including texture, odor, flavor, and color. Other topics covered are enzymes and systems of intermediary metabolism (Chapter 6); feed formulation and evaluation (Chapter 7); and salmonid husbandry techniques (Chapter 9). Nutritional fish diseases are also discussed in this book. Some of these diseases include thyroid tumor, gill disease, anemia, lipoid liver degeneration, and visceral granuloma. In Chapter 11, the relationship of nutrition and pathology is given emphasis. This chapter also tackles the diet and general fish husbandry. This topic is very important, because an adequate diet for fish husbandry is the foundation of fish farming.

The Biological Mind - Alan Jasanoff 2018-03-13

A pioneering neuroscientist argues that we are more than our brains To many, the brain is the seat of personal identity and autonomy. But the way we talk about the brain is often rooted more in mystical conceptions of the soul than in scientific fact. This blinds us to the physical realities of mental function. We ignore bodily influences on our psychology, from chemicals in the blood to bacteria in the gut, and overlook the ways that the environment affects our behavior, via factors varying from subconscious sights and sounds to the weather. As a result, we alternately overestimate our capacity for free will or equate brains to inorganic machines like computers. But a brain is neither a soul nor an electrical network: it is a bodily organ, and it cannot be separated from its surroundings. Our selves aren't just inside our heads--they're spread throughout our bodies and beyond. Only once we come to terms with this can we grasp the true nature of our humanity.

Biocalorimetry 2 - John E. Ladbury 2005-07-15

Over the last decade, high-sensitivity calorimetry has developed from a specialist method used mainly by dedicated experts to a major, commercially available tool in the arsenal directed at understanding molecular interactions and stability. Calorimeters have now become commonplace in bioscience laboratories. As a result, the number of those proficient in experimentation in this field has risen dramatically, as has the range of experiments to which these methods have been applied. Applications extend from studies in small molecule and solvent biophysics, through drug screening to whole cell assays. The technology has developed to include higher levels of sensitivity (and hence smaller sample size requirements) and a drive towards high-throughput technology, creating a very large user base in both academia and the pharmaceutical industry. This book is a fully revised and updated edition

of the successful Biocalorimetry: Applications of Calorimetry in the Biological Sciences, published in 1998. Since then, there have been many advances in the instrumentation as well as in its applications and methodology. There are general chapters highlighting the usage of the isothermal titration calorimeter and the differential scanning calorimeter, more advanced chapters on specific applications and tutorials that cover the idiosyncrasies of experimental methods and data analysis. The book draws these together to create the definitive biological calorimetric text book. This book both explains the background to the method and describes novel, high-impact applications. It features works of interest to the experienced calorimetrist and the enthusiastic dilettante. The book should be of interest to all working in the field of biocalorimetry, from graduate students to researchers in academia and in industry.

Hormones - Anthony W. Norman 2014-06-28

Hormones provides a comprehensive treatment of human hormones viewed in the light of modern theories of hormone action and in the context of current understanding of subcellular and cellular architecture and classical organ physiology. The book begins with discussions of the first principles of hormone action and the seven classes of steroid hormones and their chemistry, biosynthesis, and metabolism. These are followed by separate chapters that address either a classical endocrine system, e.g., hypothalamic hormones, posterior pituitary hormones, anterior pituitary hormones, ,thyroid hormones, pancreatic hormones, gastrointestinal hormones, calcium regulating hormones, adrenal corticoids, hormones of the adrenal medulla, androgens, estrogens and progestins, and pregnancy and lactation hormones; or newer domains of hormone action which are essential to a comprehensive understanding of hormone action, including prostaglandins, thymus hormones, and pineal hormones. The book concludes with a presentation of hormones of the future, i.e., cell growth factors. This book is intended for use by first-year medical students, graduate students, and advanced undergraduates in the biological sciences. It is also hoped that this book will fill the void that exists for resource materials for teaching cellular and molecular endocrinology and that it will be employed as an equal partner with most standard biochemistry textbooks to provide a comprehensive and balanced coverage of this realm of biology.

Biochemistry, Molecular Biology, and Genetics - Todd A. Swanson 2010

Thoroughly updated for its Fifth Edition, this popular review book is an excellent aid for USMLE Step 1 preparation and for coursework in biochemistry, molecular biology, and genetics. Chapters are written in an outline format and include pedagogical features such as bolded key words, figures, tables, algorithms, and highlighted clinical correlates. USMLE-style questions and answers follow each chapter and a comprehensive exam appears at the end of the book. A companion website includes an interactive question bank with questions from the book and the fully searchable text.

Textbook of Biochemistry - Edward Staunton West 1955

Textbook of Biochemistry for Medical Students - D M Vasudevan 2013-08-31

The seventh edition of this book is a comprehensive guide to biochemistry for medical students. Divided into six sections, the book examines in depth topics relating to chemical basics of life, metabolism, clinical and applied biochemistry, nutrition, molecular biology and hormones. New chapters have been added to this edition and each chapter includes clinical case studies to help students understand clinical relevance. A 274-page free booklet of revision exercises (9789350906378), providing essay questions, short notes, viva voce and multiple choice questions is included to help students in their exam preparation. Free online access to additional clinical cases, key concepts and an image bank is also provided. Key points Fully updated, new edition providing students with comprehensive guide to biochemistry Includes a free booklet of revision exercises and free online access Highly illustrated with nearly 1500 figures, images, tables and illustrations Previous edition published in 2010

Vitamin C in Health and Disease - Anitra C. Carr 2018-08-09

This book is a printed edition of the Special Issue "Vitamin C in Health and Disease" that was published in Nutrients

Physical Biochemistry - David Sheehan 2013-04-30

"As will be seen, there is not much missing here. I thought that the sections were well balanced, with rarely too much or too little on a given topic...This is a text to be welcomed by both teachers and students." BIOCHEMISTRY & MOLECULAR BIOLOGY EDUCATION (on the first edition) The second edition of this successful textbook explains the basic principles behind the key techniques currently used in the modern biochemical laboratory and describes the pros and cons of each technique and compares one to another. It is non-mathematical, comprehensive and approachable for students who are not physical chemists. A major update of this comprehensive, accessible introduction to physical biochemistry. Includes two new chapters on proteomics and bioinformatics. Introduces experimental approaches with a minimum of mathematics and numerous practical examples. Provides a bibliography at the end of each chapter. Written by an author with many years teaching and research experience, this text is a must-have for students of biochemistry, biophysics, molecular and life sciences and food science.

Textbook of Biochemistry - Edward Staunton West 1966

Textbook of Medical Biochemistry - MN Chatterjea 2011-10

The eighth edition of Textbook of Medical Biochemistry provides a concise, comprehensive overview of biochemistry, with a clinical approach to understand disease processes. Beginning with an introduction to cell biology, the book continues with an analysis of biomolecule chemistry, molecular biology and metabolism, as well as chapters on diet and nutrition, biochemistry of cancer and AIDS, and environmental biochemistry. Each chapter includes numerous images, multiple choice and essay-style questions, as well as highlighted text to help students remember the key points.

Analytical Techniques in Biochemistry and Molecular Biology - Rajan Katoch 2011-07-19

Advances in biochemistry now allow us to control living systems in ways that were undreamt of a decade ago. This volume guides researchers and students through the full spectrum of experimental protocols used in biochemistry, plant biology and biotechnology.

Cholesterol - Robert P. Cook 2015-07-14

Cholesterol: Chemistry, Biochemistry, and Pathology focuses on the properties, characteristics, compositions, and reactions of cholesterol. The selection first offers information on the history of cholesterol, including occurrence of cholesterol, early chemistry, related compounds, and analytical methods. The text then surveys the chemistry of cholesterol; methods of isolation and estimation of sterols; and distribution of sterols in organisms and in tissues. Discussions focus on quantitative determination of sterols, isolation procedures, distribution in animal tissues, sterols in plants, and sterol content of foodstuffs. The publication ponders on the physiology of the circulating cholesterol and lipoproteins and the biosynthesis of cholesterol. The manuscript then takes a look at the metabolism of cholesterol and other sterols in animal organisms; conversion of cholesterol to steroid hormones; microscopical localization of cholesterol in cells and tissues; and pathological manifestations of abnormal cholesterol metabolism. The selection is a valuable reference for readers interested in the properties and reactions of cholesterol.

Separation Process Principles - J. D. Seader 2016-01-20

Separation Process Principles with Applications Using Process Simulator, 4th Edition is the most comprehensive and up-to-date treatment of the major separation operations in the chemical industry. The 4th edition focuses on using process simulators to design separation processes and prepares readers for professional practice. Completely rewritten to enhance clarity, this fourth edition provides engineers with a strong understanding of the field. With the help of an additional co-author, the text presents new information on bioseparations throughout the chapters. A new chapter on mechanical separations covers settling, filtration and centrifugation including mechanical separations in biotechnology and cell lysis. Boxes help highlight fundamental equations. Numerous new examples and exercises are integrated throughout as

well.

The Science of Flavonoids - Erich Grotewold 2007-12-07

This is the only book of its kind to provide an overview of the science of flavonoids in plants.

Textbook of Organic Medicinal and Pharmaceutical Chemistry - Charles Owens Wilson 1977

Handbook of RNA Biochemistry - Roland K. Hartmann 2015-06-22

The second edition of a highly acclaimed handbook and ready reference. Unmatched in its breadth and quality, around 100 specialists from all over the world share their up-to-date expertise and experiences, including hundreds of protocols, complete with explanations, and hitherto unpublished troubleshooting hints. They cover all modern techniques for the handling, analysis and modification of RNAs and their complexes with proteins. Throughout, they bear the practising bench scientist in mind, providing quick and reliable access to a plethora of solutions for practical questions of RNA research, ranging from simple to highly complex. This broad scope allows the treatment of specialized methods side by side with basic biochemical techniques, making the book a real treasure trove for every researcher experimenting with RNA.

Life on an Ocean Planet - 2010

Teacher digital resource package includes 2 CD-ROMs and 1 user guide. Includes Teacher curriculum guide, PowerPoint chapter presentations, an image gallery of photographs, illustrations, customizable presentations and student materials, Exam Assessment Suite, PuzzleView for creating word puzzles, and LessonView for dynamic lesson planning. Laboratory and activity disc includes the manual in both student and teacher editions and a lab materials list.

Harper's Illustrated Biochemistry Thirty-First Edition - Victor W. Rodwell 2018-06-22

Gain a full understanding of the principles of biochemistry as it relates to clinical medicine A Doody’s Core Title for 2020! The Thirty-First Edition of Harper’s Illustrated Biochemistry continues to emphasize the link between biochemistry and the understanding of disease states, disease pathology, and the practice of medicine. Featuring a full-color presentation and numerous medically relevant examples, Harper’s presents a clear, succinct review of the fundamentals of biochemistry that every student must understand in order to succeed in medical school. All 58 chapters help you understand the medical relevance of biochemistry: • Full-color presentation includes more than 600 illustrations • Case studies emphasize the clinical relevance of biochemistry • NEW CHAPTER on Biochemistry of Transition Metals addresses the importance and overall pervasiveness of transition metals • Review Questions follow each of the eleven sections • Boxed Objectives define the goals of each chapter • Tables encapsulate important information • Every chapter includes a section on the biomedical importance of a given topic NEW TO THIS EDITION: • Emphasis throughout on the integral relationship between biochemistry and disease, diagnostic pathology, and medical practice • Hundreds of references to disease states throughout • New chapter addressing the biochemical roles of transition metals • Many updated review questions • Frequent tables summarizing key links to disease states • New text on cryo-electron microscopy (cryo-EM) • Cover picture of the protein structure of the Zika virus, solved by cryo-EM Applauded by medical students and online reviewers for its currency and engaging style, Harper’s Illustrated Biochemistry is essential for USMLE® review and the single-best reference for learning the clinical relevance of any biochemistry topic.

The Double Helix - James D. Watson 2011-08-16

The classic personal account of Watson and Crick’s groundbreaking discovery of the structure of DNA, now with an introduction by Sylvia Nasar, author of A Beautiful Mind. By identifying the structure of DNA, the molecule of life, Francis Crick and James Watson revolutionized biochemistry and won themselves a Nobel Prize. At the time, Watson was only twenty-four, a young scientist hungry to make his mark. His uncompromisingly honest account of the heady days of their thrilling sprint against other world-class researchers to solve one of science’s greatest mysteries gives a dazzlingly clear picture of a world of brilliant

scientists with great gifts, very human ambitions, and bitter rivalries. With humility unspoiled by false modesty, Watson relates his and Crick's desperate efforts to beat Linus Pauling to the Holy Grail of life sciences, the identification of the basic building block of life. Never has a scientist been so truthful in capturing in words the flavor of his work.

Biochemistry, 5th Edition (Updated and Revised Edition)-E-Book - U Satyanarayana 2020-06-25

is an amalgamation of medical and basic sciences, and is comprehensively written and later revised and updated to meet the curriculum requirements of Medical, Pharmacy, Dental, Veterinary, Biotechnology, Agricultural Sciences, Life Sciences students, and others studying Biochemistry as one of the subjects. This book fully satisfies the revised MCI competency-based curriculum. is the first textbook on Biochemistry in English with multicolor illustrations by an Asian author. The use of multicolors is for a clear understanding of the complicated structures and reactions. is written in a lucid style with the subject being presented as an engaging story growing from elementary information to the most recent advances and with theoretical discussions being supplemented with illustrations, tables, biomedical concepts, clinical correlates, and case studies for an easy understanding of Biochemistry. has each chapter beginning with a four-line verse followed by the text with clinical correlates, a summary, and self-assessment exercises. The lively illustrations and text with appropriate headings and sub-headings in bold type faces facilitate reading path clarity and quick recall. All this will help the students to master the subject and face the examinations with confidence. provides the most recent and essential information on Molecular Biology and Biotechnology, and current topics such as Diabetes, Cancer, Free Radicals and Antioxidants, Prostaglandins, etc. describes a wide variety of case studies (77) with biomedical correlations. They are listed at the end of relevant chapters for immediate reference, quick review, and better understanding of Biochemistry. contains the basics (Bioorganic and Biophysical Chemistry, Tools of Biochemistry, Immunology, and Genetics) for beginners to learn easily Biochemistry, origins of biochemical words, confusables in Biochemistry, principles of Practical Biochemistry, and Clinical Biochemistry Laboratory.

Biochemistry - Debajyoti Das 1979

Loose-leaf Version for Biochemistry: A Short Course - John L. Tymoczko 2018-12-28

Derived from the classic text originated by Lubert Stryer and continued by John Tymoczko and Jeremy Berg, Biochemistry: A Short Course focuses on the major topics taught in a one-semester biochemistry course. With its brief chapters and relevant examples, this thoroughly updated new edition helps students see the connections between the biochemistry they are studying and their own lives. The focus of the 4th edition has been around: Integrated Text and Media with the NEW SaplingPlus Paired for the first time with SaplingPlus, the most innovative digital solution for biochemistry students. Media-rich resources have been developed to support students' ability to visualize and understand individual and complex biochemistry concepts. Built-in assessments and interactive tools help students keep on track with reading and become proficient problem solvers with the help and guidance of hints and targeted feedback--ensuring every problem counts as a true learning experience. Tools and Resources for Active Learning A number of new features are designed to help instructors create a more active environment in the classroom. Tools and resources are provided within the text, SaplingPlus and instructor resources. Extensive Problem-Solving Tools A variety of end of chapter problems promote understanding of single concept and multi-concept problems. Built-in assessments help students keep on track with reading and become proficient problem solvers with the help and guidance of hints and targeted feedback--ensuring every problem counts as a true learning experience. Unique case studies and new Think/Pair/Share Problems help provide application and relevance, as well as a vehicle for active learning.

Textbook of Diabetes - Richard I. G. Holt 2017-03-06

Now in its fifth edition, the Textbook of Diabetes has established itself as

the modern, well-illustrated, international guide to diabetes. Sensibly organized and easy to navigate, with exceptional illustrations, the Textbook hosts an unrivalled blend of clinical and scientific content. Highly-experienced editors from across the globe assemble an outstanding set of international contributors who provide insight on new developments in diabetes care and information on the latest treatment modalities used around the world. The fifth edition features an array of brand new chapters, on topics including: Ischaemic Heart Disease Glucagon in Islet Regulation Microbiome and Diabetes Diabetes and Non-Alcoholic Fatty Liver Disease Diabetes and Cancer End of Life Care in Diabetes as well as a new section on Psychosocial aspects of diabetes. In addition, all existing chapters are fully revised with the very latest developments, including the most recent guidelines from the ADA, EASD, DUK and NICE. Includes free access to the Wiley Digital Edition providing search across the book, the full reference list with web links, illustrations and photographs, and post-publication updates Via the companion website, readers can access a host of additional online materials such as: 200 interactive MCQ's to allow readers to self-assess their clinical knowledge every figure from the book, available to download into presentations fully searchable chapter pdfs Once again, Textbook of Diabetes provides endocrinologists and diabetologists with a fresh, comprehensive and multi-media clinical resource to consult time and time again.

Harper's Illustrated Biochemistry, 28th Edition - Robert K. Murray 2009-07-03

The biochemistry text that every medical student must own--now in full color! Comprehensive, concise, and up-to-date, Harper's is unrivaled in its ability to clarify the link between biochemistry and the molecular basis of health and disease. The Twenty-Eighth Edition has undergone sweeping changes -- including a conversion to full-color artwork and the substantial revision and updating of every chapter -- all to reflect the latest advances in knowledge and technology and to make the text as up-to-date and clinically relevant as possible. Combining outstanding full-color illustrations with integrated coverage of biochemical diseases and clinical information, Harper's Illustrated Biochemistry offers an organization and clarity not found in any other text on the subject. Striking just the right balance between detail and brevity, Harpers Illustrated Biochemistry is essential for USMLE review and is the single best reference for learning the clinical relevance of a biochemistry topic. NEW to this edition: Full-color presentation, including 600+ illustrations Every chapter opens with a Summary of the Biomedical Importance and concludes with a Summary reviewing the topics covered Two all-new chapters: "Free Radicals and Antioxidant Nutrients" and "Biochemical Case Histories" which offers an extensive presentation of 16 clinical conditions A new appendix containing basic clinical laboratory results and an updated one with a list of important websites and online journals NEW or updated coverage of important topics including the Human Genome Project and computer-aided drug delivery

Biochemistry - D. M. Vasudevan 2007

Over the next 2 years around 50 titles will be published, covering a comprehensive range of disciplines within medicne and health sciences. In a handy 152mm x 122mm size, and between 250-350 pages, these pocket atlases will contain up-to-the-minute information on their subject, which has been compiled, distilled and updated from prior work by each author. Each mini-atlas will also contain a free CD-ROM or DVD-ROM with material to accompany and complement the text. The "Anshan Gold Standard Mini Atlas Series" will appeal to everyone involved in medicine and helath sciences, from undergraduates to private practitioners, from medical professionals and academics. The full series will develop into an outstanding resource for any medical library, and each individual title woll be a great value-for-money addition to a personal collection, for use as a portable reference for work or home. The first books will publish in February 2007, with a consisent flow of additional titles each month throughout 2007.

Rare Earth - Peter D. Ward 2007-05-08

What determines whether complex life will arise on a planet, or even any life at all? Questions such as these are investigated in this groundbreaking book. In doing so, the authors synthesize information

from astronomy, biology, and paleontology, and apply it to what we know about the rise of life on Earth and to what could possibly happen elsewhere in the universe. Everyone who has been thrilled by the recent discoveries of extrasolar planets and the indications of life on Mars and the Jovian moon Europa will be fascinated by Rare Earth, and its implications for those who look to the heavens for companionship.

Tribes of Yahweh - Norman Gottwald 1999-10-01

A twentieth-anniversary reprint of the landmark book that launched the current explosion of social-scientific studies in the biblical field. It sets forth a cultural-material methodology for reconstructing the origins of ancient Israel and offers the hypothesis that Israel emerged as an indigenous social revolutionary peasant movement. In a new preface, written for this edition, Gottwald takes account of the 'sea change' in biblical studies since 1979 as he reviews the impact of his work on church and academy, assesses its merits and limitations, indicates his present thinking on the subject, and points toward future directions in the social-critical study of ancient Israel and the Hebrew Bible.

Biopharmaceuticals - Gary Walsh 2013-04-29

The latest edition of this highly acclaimed textbook, provides a comprehensive and up-to-date overview of the science and medical applications of biopharmaceutical products. Biopharmaceuticals refers to pharmaceutical substances derived from biological sources, and increasingly, it is synonymous with 'newer' pharmaceutical substances derived from genetic engineering or hybridoma technology. This superbly written review of the important areas of investigation in the field, covers drug production, plus the biochemical and molecular mechanisms of action together with the biotechnology of major biopharmaceutical types on the market or currently under development. There is also additional material reflecting both the technical advances in the area and detailed information on key topics such as the influence of genomics on drug discovery.

Marks' Basic Medical Biochemistry - Michael Lieberman 2017-07-25

Connect biochemistry to clinical practice! Marks' Basic Medical Biochemistry links biochemistry to physiology and pathophysiology, allowing students to apply fundamental concepts to the practice of medicine - from diagnosing patients to recommending effective treatments. Intuitively organized chapters center on hypothetical patient vignettes, highlighting the material's clinical applications; helpful icons allow for smooth navigation, making complex concepts easier to grasp. Full-color illustrations make chemical structures and biochemical pathways easy to visualize. Patient vignettes connect biochemistry to human health and disease. Clinical Notes explain patient signs or symptoms, and Method Notes relate biochemistry to the laboratory tests ordered during diagnosis. Clinical Comments link biochemical dynamics to treatment options and patient outcomes. Biochemical Comments explore directions for new research. Key Concepts and Summary Disease tables highlight the take-home messages in each chapter. Questions and answers at the end of each chapter - 470 total inside the book, with 560 more online - probe students' mastery of key concepts. Additional handy resources available online make it easy to review all diseases and all methods covered throughout the book and to find references for further information and study