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Ronald W. Dudek 2011
This series extracts the most important information on each topic and presents it in a concise, uncluttered fashion to prepare you for the USMLE and other course and board exams. Up-to-date and incorporating student feedback, the Third Edition features:
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**High-yield Histopathology**
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High-yield histopathology reviews the relationships of basic histology to the pathology, physiology, and pharmacology of clinical conditions that are tested on the USMLE Step 1 and seen in clinical practice.

**High-yield Genetics**
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High-Yield™ Genetics is an important addition to the High-Yield™ Series, which medical students rely on heavily to review for the USMLE. This new volume provides a concise, clinically oriented summary of genetics in the popular High-Yield™ outline format. The book is generously illustrated with schematic line drawings as well as photographs of the most clinically relevant diseases. Illustrations appear at the end of each chapter in a multi-panel figure, similar to a mini-atlas.

**High-yield Physiology**
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Part of the popular High-Yield™ Series, this new book features the essential concepts of human physiology presented in a concise, uncluttered fashion. High-Yield™ Physiology gives students what they need to prepare them for the physiology questions on USMLE Step 1. The information found in this text provides a comprehensive overview of physiology in a concentrated format and serves as a valuable resource for course and board review.

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Stephanie T. Weiss 2009-01-01
Now in its Third Edition, High-Yield™ Pharmacology provides a succinct review of pharmacology while clarifying difficult concepts. Need-to-know information is presented in a clear, concise outline format. Additional features include updated drug references, a drug index, key points in bold, and tables summarizing key facts. Whether a student is reviewing for the end-of-year exams in pharmacology or brushing up for the USMLE, this book provides a quick overview of this challenging topic.
**High-yield Neuroanatomy**-James D. Fix 2009  
Now in its Fourth Edition, this best-selling book extracts the most important information on neuroanatomy and presents it in a concise, uncluttered fashion to prepare students for course exams and the USMLE. Highlights of this edition include a brief glossary of key neuroanatomical structures and disease states; addition of an icon to more clearly identify the Clinical Correlations sections; an appendixized table of common neurological lesions; expanded figure legends that identify clinically relevant anatomical relationships; an improved, expanded index; and modified text and figure legends to comply with Terminologia Anatomica. A companion Website will offer bonus USMLE-style questions.

**High-yield Comprehensive USMLE Step 1 Review**-Barbara Fadem 2007 High-Yield™ Comprehensive USMLE Step 1 Review is a very concise study tool for the USMLE Step 1 exam. Written by best-selling Board review author Barbara Fadem and a team of expert contributors and experienced review authors, the book provides a high-yield but comprehensive review of the content most likely to be tested on the USMLE. Tables and illustrations throughout the text help summarize difficult concepts. Extremely concise and designed for rapid study, High-Yield™ Comprehensive USMLE Step 1 Review is perfect for last-minute review or a quick brush-up anytime.

**Columbia Review High-yield Biology**-Stephen D. Bresnick 1996 An easily-readable review of first-year undergraduate biology, this succinct text is divided into three sections covering molecular and cell biology, physiology, and genetics and evolution. The text is augmented with illustrations and drawings. Review questions, answers, and full explanations help students grasp material.

Scoring well on the Biology portion of the DAT is important for admission into dental school. To achieve a high score, you need to develop skills to properly apply the knowledge you have and quickly choose the correct answer. You must solve numerous practice questions that represent the style and content of the DAT questions. Understanding key science concepts is more valuable than memorizing terms. This book provides 1,500 biology practice questions that test your knowledge of all DAT Biology topics. In the second part of the book, you will find answer keys and detailed explanations to questions, except those that are self-explanatory. These explanations discuss why the answer is correct and - more importantly - why another answer that may have seemed correct is the wrong choice. The explanations include the foundations and details of important science topics needed to answer related questions on the DAT. By reading these explanations carefully and understanding how they apply to solving the question, you will learn important biology concepts and the relationships between them. This will prepare you for the Biology section of the DAT test and will significantly improve your score. All the questions are prepared by our science editors who possess extensive credentials and are educated in top colleges and universities. Our editors are experts on teaching sciences, preparing students for standardized science tests and have coached thousands of undergraduate and graduate school applicants on admission strategies.

**High-yield Immunology**-Arthur G. Johnson 1999 This book extracts the most important information on immunology and presents it in a concise, uncluttered fashion to prepare students for the USMLE. High-Yield means exactly that!

**High-yield Obstetrics and Gynecology**-Elmar P. Sakala 2006 This concise, outline-formatted book serves as a preparation for USMLE examinations and for course review. In addition to the traditional High-Yield™ Series features, this book contains Patient Snapshots, Clinical Pearls, and a table summarizing common syndromes located in the back of the book. Numerous illustrations and tables supplement the text.
High-yield Immunology—Arthur G. Johnson 2005 This book extracts the most important information on immunology and presents it in a concise, uncluttered fashion to prepare students for USMLE. High-Yield™ means exactly that!

Genetics—Ronald W. Dudek 2009-04-27 Widely used by medical students studying for the USMLE Step 1, the Board Review Series (BRS) provides basic knowledge as it relates to clinical situations. BRS Genetics addresses a field that is increasingly taught in shorter courses. Chapters are written in an outline format and include pedagogical features such as bolded key words, tables, algorithms, and numerous illustrations, including a 16-page full-color insert. The book contains nearly 300 USMLE-style questions to help test students' memorization and mastery. A companion Website includes a question bank as well as fully searchable text.

Labs on Chip—Eugenio Iannone 2018-09-03 Labs on Chip: Principles, Design and Technology provides a complete reference for the complex field of labs on chip in biotechnology. Merging three main areas—fluid dynamics, monolithic micro- and nanotechnology, and out-of-equilibrium biochemistry—this text integrates coverage of technology issues with strong theoretical explanations of design techniques. Analyzing each subject from basic principles to relevant applications, this book: Describes the biochemical elements required to work on labs on chip Discusses fabrication, microfluidic, and electronic and optical detection techniques Addresses planar technologies, polymer microfabrication, and process scalability to huge volumes Presents a global view of current lab-on-chip research and development Devotes an entire chapter to labs on chip for genetics

Uropathology—Ming Zhou 2012 Uropathology, a volume in the High Yield Pathology Series, makes it easy to recognize the classic manifestations of urologic diseases and quickly confirm your diagnoses. A templated format, excellent color photographs, authoritative content, and online access make Uropathology an ideal reference for busy pathologists. Find information quickly and easily with a templated, easy-to-reference format and concise, bulleted text. Confirm your diagnoses with high-quality color photographs that demonstrate the classic appearance of each disease. Depend on authoritative information from leading experts in the field. Access the full text online, perform quick searches, and download images at www.expertconsult.com. Your first line resource for genitourinary pathology

Columbia Review High-yield General Chemistry—Stephen D. Bresnick 1996 A study guide in question and answer format for basic chemistry.

Journal of molecular and cell cardiology-1978

Cell and Molecular Biology of Plastids—Ralph Bock 2007-09-19 The present book provides a comprehensive overview of our current knowledge on plastid biogenesis, plastid-nuclear communication, and the regulation of plastid...
gene expression at all levels. It also assesses the state-of-the-art in key technologies, such as proteomics and chloroplast transformation. Written by recognized experts in the field, the book further covers crucial post-translational processes in plastid biogenesis and function, including protein processing.

High-yield Brain and Behavior—Barbara Fadem 2008 High-Yield™ Brain and Behavior is the fourth volume in the High-Yield™ Systems Series, which covers the basic sciences of the medical school curriculum using a systems-based approach. This book is the only review book to cover the combined material from neuroscience and behavioral science courses in an outline format with a focus on the USMLE Step 1. Chapters cover each basic science—embryology, gross anatomy, radiology, histology, physiology, pathology, microbiology, and pharmacology—as it relates to the nervous system. Patient snapshots provide concise descriptions of classic clinical cases. Tables help students memorize large amounts of information, and figures provide detailed visual cues.

International Review of Cell and Molecular Biology—Kwang W. Jeon 2013-01-10 International Review of Cell and Molecular Biology presents current advances and comprehensive reviews in cell biology—both plant and animal. Articles address structure and control of gene expression, nucleocytoplasmic interactions, control of cell development and differentiation, and cell transformation and growth. Authored by some of the foremost scientists in the field Provides up-to-date information and directions for future research Valuable reference material for advanced undergraduates, graduate students and professional scientists

High-Yield Embryology—Ronald W. Dudek 2013-03-08 This series extracts the most important information on each topic and presents it in a concise, uncluttered fashion to prepare students for the USMLE. High-Yield means exactly that! High-Yield Embryology, Fifth Edition provides a concentrated, efficient review of embryology material tested on the USMLE Step 1. Concepts are presented in a streamlined outline format with tables, diagrams, photos, and radiographs to clarify important material. In response to student feedback, the Fifth Edition features: New and updated figures Additional USMLE-style case studies at the end of each chapter An expanded section on early development

内分泌生理学— 2006 本书介绍了几乎所有的内分泌生理学研究成果,重点介绍了神经内分泌学的研究成果,即下丘脑和垂体的内分泌,还有环境与内分泌、应激与内分泌和生长发育、衰老与内分泌等特殊的内分泌代谢问题。

Cell and Tissue Based Molecular Pathology E-Book—Raymond R. Tubbs 2008-09-22 This volume in the Foundations in Diagnostic Pathology Series packs today's most essential cell and tissue base molecular pathology into a compact, high-yield format! It focuses on the state of the art in practical validated molecular diagnostics as applied across the fields of surgical pathology and cytology. With an emphasis on current, clinically valid, and diagnostically important applications today and in the near future, you can be assured you're getting the most up-to-date, authoritative coverage available. Its pragmatic, well-organized approach, nearly 250 full-color illustrations, and at-a-glance boxes and tables make the information you need easy to access. Practical and affordable, this resource is ideal for study and review as well as everyday clinical practice! Offers detailed discussions on today’s technologies to help you select the best test for case evaluation. Presents recognized molecular pathologists who convey the most current information, keeping you on the cusp of your field. Features nearly 250 full-color illustrations that present important pathologic features, enabling you to form a differential diagnosis and compare your findings with actual cases. Uses a consistent, user-friendly format, including at-a-glance boxes and tables for easy reference.

Molecular Strategies Aimed to Boost NK Cell-based Immunotherapy of Cancer—Loredana Cifaldi 2020-07-31 In this Research Topic, we would like to honor the memory of Prof. Vito Pistoia and pay tribute to his scientific contributions to the field of Cancer Immunity and Immunotherapy. Topic Editor Daniel Olive is the co-founder and shareholder of company Imcheck Therapeutics. All other topic editors declare no competing interests with regards to the Research Topic subject.
Sterling Test Prep MCAT Biology & Biochemistry Practice Questions: High Yield MCAT Questions-Sterling Test Prep 2017-12-16
Higher score money back guarantee! High yield biology and biochemistry practice questions with detailed explanations covering all biology and biochemistry topics tested on MCAT: • Enzymes and metabolism • Molecular biology • Microbiology • Eukaryotic cell • Body systems • Development • Genetics • Evolution Our practice materials will help you succeed by scoring well on the MCAT. This book provides 1,200 practice questions that test your knowledge of MCAT biology and biochemistry topics. In the second part of the book, you will find answer keys and detailed explanations to questions, except those that are self-explanatory. These explanations discuss why the answer is correct and - more importantly - why another answer that may have seemed correct is the wrong choice. The explanations include the foundations and details of important science topics needed to answer related questions on the MCAT. By reading these explanations carefully and understanding how they apply to solving the question, you will learn important biology and biochemistry concepts and the relationships between them. To achieve a high MCAT score, you need to develop skills to properly apply the knowledge you have and quickly choose the correct answer. To be prepared, you must solve numerous practice questions that represent the style and content of the MCAT. Understanding key science concepts is more valuable than memorizing terms. This book provides 1,500 biology practice questions that test your knowledge of all OAT Biology topics. In the second part of the book, you will find answer keys and detailed explanations to questions, except those that are self-explanatory. These explanations discuss why the answer is correct and - more importantly - why another answer that may have seemed correct is the wrong choice. The explanations include the foundations and details of important science topics needed to answer related questions on the OAT. By reading these explanations carefully and understanding how they apply to solving the question, you will learn important biology concepts and the relationships between them. This will prepare you for the Biology section of the OAT test and will significantly improve your score.

Sterling Test Prep OAT Biology Practice Questions: High Yield OAT Biology Questions-Sterling Test Prep 2017-12-18

Scoring well on the Biology portion of the OAT is important for admission into optometry school. To achieve a high score, you need to develop skills to properly apply the knowledge you have and quickly choose the correct answer. You must solve numerous practice questions that represent the style and content of the OAT questions. Understanding key science concepts is more valuable than memorizing terms. This book provides 1,500 biology practice questions that test your knowledge of all OAT Biology topics. In the second part of the book, you will find answer keys and detailed explanations to questions, except those that are self-explanatory. These explanations discuss why the answer is correct and - more importantly - why another answer that may have seemed correct is the wrong choice. The explanations include the foundations and details of important science topics needed to answer related questions on the OAT. By reading these explanations carefully and understanding how they apply to solving the question, you will learn important biology concepts and the relationships between them. This will prepare you for the Biology section of the OAT test and will significantly improve your score. All the questions are prepared by our science editors who possess extensive credentials and are educated in top colleges and universities. Our editors are experts on teaching sciences, preparing students for standardized science tests and have coached thousands of undergraduate and graduate school applicants on admission strategies.

Cellular and Molecular Biology of Metals-Rudolfs K. Zalups 2010-05-21
With chapter contributions from more than 30 metal biology experts, Cellular and Molecular Biology of Metals explains the role of key divalent metal ions involved in the molecular and cellular biology of various target cell populations. Although it primarily focuses on homeostatic metals, such as nickel, zinc, and chromium, the text also discusses a few environmentally pertinent, toxic divalent cations, including mercury, cadmium, and arsenic. This authoritative resource reviews the physiological mechanisms underlying the handling of essential and toxic metal ions, including metal ion homeostasis, metals and enzyme activity, metals and transcriptional regulation, and metal ion transport. It also
analyzes other functions designed to avoid metal-induced toxicity and mediate the metal enhancement of cellular function. The role of metal ions and their effect on mammalian cells and organs are only beginning to be truly defined. Cellular and Molecular Biology of Metals arms metals toxicologists and cellular and molecular biologists with the necessary knowledge they need to take the research effort to the next level.

**Basic Techniques in Molecular Biology**
Stefan Surzycki 2012-12-06 This laboratory manual gives a thorough introduction to basic techniques. It is the result of practical experience, with each protocol having been used extensively in undergraduate courses or tested in the authors laboratory. In addition to detailed protocols and practical notes, each technique includes an overview of its general importance, the time and expense involved in its application and a description of the theoretical mechanisms of each step. This enables users to design their own modifications or to adapt the method to different systems. Surzycki has been holding undergraduate courses and workshops for many years, during which time he has extensively modified and refined the techniques described here.

**Molecular Biology of the Cell** 2004

**Handbook of Neurochemistry and Molecular Neurobiology** Maarten E.A. Reith 2007-06-12

**Molecular & Cell Biology of the Liver** Albert V. LeBouton 1993-06-24 Molecular and Cell Biology of the Liver features the latest research findings regarding liver structure and function. A unique feature of the book is the brief science reviews that are included in each chapter which provide essential background information to allow readers to better grasp the subject matter within a chapter. The book covers liver biology from the molecular level to groups of liver cells and explains how groups of hepatocytes interact in similar microenvironments. Other important cell types found in the liver are also examined. Illustrations ranging from electron micrographs to fully rendered drawings act as visual aids to help readers understand complex structural-functional interactions. Molecular and Cell Biology of the Liver will benefit hepatologists, gastroenterologists, cell biologists, anatomists, toxicologists, and other researchers interested in liver structure and function.

**Handbook of Molecular Microbial Ecology II** Frans J. de Bruijn 2011-09-27 "Handbook of Molecular Microbial Ecology I: Metagenomics and Complementary Approaches is the first comprehensive reference covering the various metagenomics in a large variety of habitats, which could not previously have been analysed without metagenomic methodology. This Volume includes topics such as species designations in microbiology, metagenomics, consortia and databases, bioinformatics, microarrays, and other metagenomics applications. This reference is ideal for researchers in metagenomics, microbiology, environmental microbiology, those working on the Human Microbiome Project, microbial geneticists, molecular microbiology, and bioinformatics"--

**Guide to Yeast Genetics and Molecular Cell Biology** 2002-06-12 This volume and its companion, Volume 351, are specifically designed to meet the needs of graduate students and postdoctoral students as well as researchers, by providing all the up-to-date methods necessary to study genes in yeast. Procedures are included that enable newcomers to set up a yeast laboratory and to master basic manipulations. Relevant background and reference information given for procedures can be used as a guide to developing protocols in a number of disciplines. Specific topics addressed in this book include basic techniques, making mutants, genomics, and proteomics.

**Molecular Biology of the Skin** Michael Darmon 2012-12-02 Molecular Biology of the Skin: The Keratinocyte comprehensively reviews the major aspects of keratinocyte and epidermal differentiation, physiology, and pathology, primarily focusing on the molecular aspects. This exciting new resource discusses keratin genes, retinoic acid, and the use of transgenic animals in the study of dermatological pathology. The volume also highlights areas of genetic disease, new animal models to help in understanding dermatological disorders, and gene therapy using skin as a target. W.W. Franke, a pioneer in the study of the molecular biology of keratins, has
written the foreword for the book. Molecular Biology of the Skin: The Keratinocyte is intended for use by dermatologists and basic researchers in cell and developmental biology. It will also be valuable for surgeons and other clinicians as well as researchers in gene therapy, virology, and pharmacology. ** Reviews keratinocyte (and epidermal) differentiation, physiology, and pathology, focusing on the molecular aspects * - Discusses keratin genes, retinoic acid, and the use of transgenic animals in the study of dermatological pathology * - Highlights genetic disease, new animal models, and gene therapy

**Tietz Textbook of Clinical Chemistry and Molecular Diagnostics - E-Book**-Nader Rifai
2017-01-16 The Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, 6th Edition provides the most current and authoritative guidance on selecting, performing, and evaluating the results of new and established laboratory tests. This classic clinical chemistry reference offers encyclopedic coverage detailing everything you need to know, including: analytical criteria for the medical usefulness of laboratory tests, variables that affect tests and results, laboratory medicine, applications of statistical methods, and most importantly clinical utility and interpretation of laboratory tests. It is THE definitive reference in clinical chemistry and molecular diagnostics, now fully searchable and with quarterly content updates, podcasts, clinical cases, animations, and extended content online through Expert Consult. Analytical criteria focus on the medical usefulness of laboratory procedures. Reference ranges show new approaches for establishing these ranges — and provide the latest information on this topic. Lab management and costs gives students and chemists the practical information they need to assess costs, allowing them to do their job more efficiently and effectively. Statistical methods coverage provides you with information critical to the practice of clinical chemistry. Internationally recognized chapter authors are considered among the best in their field. Two-color design highlights important features, illustrations, and content to help you find information easier and faster. NEW! Internationally recognized chapter authors are considered among the best in their field. NEW! Expert Consult features fully searchable text, quarterly content updates, clinical case studies, animations, podcasts, atlases, biochemical calculations, multiple-choice questions, links to Medline, an image collection, and audio interviews. You will now enjoy an online version making utility of this book even greater. UPDATED! Expanded Molecular Diagnostics section with 12 chapters that focus on emerging issues and techniques in the rapidly evolving and important field of molecular diagnostics and genetics ensures this text is on the cutting edge and of the most value. NEW! Comprehensive list of Reference Intervals for children and adults with graphic displays developed using contemporary instrumentation. NEW! Standard and international units of measure make this text appropriate for any user — anywhere in the world. NEW! 22 new chapters that focus on applications of mass spectrometry, hematology, transfusion medicine, microbiology, biobanking, biomarker utility in the pharmaceutical industry and more! NEW! Expert senior editors, Nader Rifai, Carl Wittwer and Rita Horvath, bring fresh perspectives and help ensure the most current information is presented. UPDATED! Thoroughly revised and peer-reviewed chapters provide you with the most current information possible.

**Handbook of Molecular and Cellular Methods in Biology and Medicine**-Leland J. Cseke 2016-04-19 Several milestones in biology have been achieved since the first publication of the Handbook of Molecular and Cellular Methods in Biology and Medicine. This is true particularly with respect to genome-level sequencing of higher eukaryotes, the invention of DNA microarray technology, advances in bioinformatics, and the development of RNAi technology.

**Deja Review Biochemistry, Second Edition**-Saad Manzoul 2010-07-26 Maximum retention in minimum time! These “flashcards in a book” help you remember high-yield facts in the least amount of time possible Drawn from the perspectives of recent graduates fresh from their medical school and USMLE experience, Deja Review books focus specifically on what is essential for success on your course exams and the USMLE. Features: Active recall Q&As facilitate real learning, not just memorization Vignettes at the end of each chapter put the material in clinical context Mnemonics and key words help you focus on core facts Content works in conjunction with larger course books Portable size makes them great for study on the go Everything you must know about Biochemistry
to ace your exams: Proteins; Metabolism; Nutrition; Molecular Biology; Genetics; Cell Biology and Physiology.