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Games, Sex and Evolution

Modern Nature

Uniting the foundations of physics and biology, this groundbreaking multidisciplinary and integrative book explores life as a planetary process.

Nature of Biology

Nature: New Biology

Evolution

The Nature of Living Things: An Essay in Theoretical Biology is a 16-chapter text that describes the theory on the nature of life and mind. The first chapters cover first the microbiological aspects of living things, followed by intensive discussions on fundamentals of life, including information about DNA, RNA, cells, proteins, and the immune system. The succeeding

chapters explore the concept of evolutionary development, the communication system in biology, plant biology, and the complexity of atom. The last chapters review the fundamental difference between the chemistry of life and the chemistry of the inorganic universe. This book is of value to biologists, evolutionists, and researchers who are interested in advancing their knowledge on nature of life.

A Systems Biology Approach to Blood

Book Review Digest

This new edition of Nature of Biology Book 2, Teacher Resource Manual is part of a revised teaching package to support the teaching of VCE Biology Units 3 & 2 for the 2006-09 Study Design offering quick and easy reference for teachers in planning their activities. It accompanies the third editions of Nature of Biology 2 and Nature of Biology Book 2, Activity Manual. Features Provides response to the Chapter Review questions and the Biochallenge feature in the textbook Includes Test Your Understanding worksheets from the activity manual with answers in place to facilitate quick cross-checking of student work Acts as forward planner for activities, helping teachers to organise material and identify needed resources Outlines necessary background information, including cross-references to the textbook and activity manual Defines the student focus for activities Directs teachers to further reading/support material Links activities with learning outcomes of the Study Design.

Science Fictions

Endocytosis is a key feature of virtually all eukaryotic cells. It not only provides crucial nutrients to cells but also plays key roles in a cell's interactions with its environment. Roles for endocytosis in immune responses, transcellular transport, signal transduction, neural function and a variety of pathological conditions are now well established. Moreover, studies of endocytic pathways have provided important insights for understanding basic cellular functions associated with membrane trafficking, protein sorting and membrane fusion. In this volume, experts in their respective fields discuss the molecular mechanisms that underlie endocytosis and the fate of endocytic vesicles in cells.

International Review of Cell and Molecular Biology

This is a concise, comprehensive, and accessible introduction to the philosophy of biology written by a leading authority on the subject. Geared to philosophers, biologists, and students of both, the book provides sophisticated and innovative

coverage of the central topics and many of the latest developments in the field. Emphasizing connections between biological theories and other areas of philosophy, and carefully explaining both philosophical and biological terms, Peter Godfrey-Smith discusses the relation between philosophy and science; examines the role of laws, mechanistic explanation, and idealized models in biological theories; describes evolution by natural selection; and assesses attempts to extend Darwin's mechanism to explain changes in ideas, culture, and other phenomena. Further topics include functions and teleology, individuality and organisms, species, the tree of life, and human nature. The book closes with detailed, cutting-edge treatments of the evolution of cooperation, of information in biology, and of the role of communication in living systems at all scales. Authoritative and up-to-date, this is an essential guide for anyone interested in the important philosophical issues raised by the biological sciences.

Land Evaluation for Nature Conservation

Annual Reports in Medicinal Chemistry

MCAT Biology Review

Classification, Evolution, and the Nature of Biology

This volume is the first in a series entitled Conservation Ecology: Principles, Practices and Management, a theme which Elsevier's pioneering journal Biological Conservation has promoted since its foundation thirty-three years ago. The science of conservation ecology is now widely acknowledged as an essential component in the planning and development of activities which change or modify our natural environment. Nevertheless in spite of much research and publicity, there is still a wide gap between theory and practice. Today it is especially important to try to bridge this gap by interpreting the results of ecological research so that they are understandable and relevant to a wide range of land managers, agriculturalists, foresters, and those working in the many categories of protected areas. The volumes in this series are designed to fulfil this purpose, and also to play an important educational role for students of the environmental sciences in schools, universities and other institutions.

The Nature-study Review

No student or colleague of Marjorie Grene will miss her incisive presence in these papers on the study and nature of living nature, and we believe the new reader will quickly join the stimulating discussion and critique which Professor Grene

steadily provokes. For years she has worked with equally sure knowledge in the classical domain of philosophy and in modern epistemological inquiry, equally philosopher of science and metaphysician. Moreover, she has the deeply sensible notion that she should be a critically intelligent learner as much as an imaginatively original thinker, and as a result she has brought insightful expository readings of other philosophers and scientists to her own work. We were most fortunate that Marjorie Grene was willing to spend a full semester of a recent leave here in Boston, and we have on other occasions sought her participation in our colloquia and elsewhere. Now we have the pleasure of including among the Boston Studies in the Philosophy of Science this generous selection from Grene's philosophical inquiries into the understanding of the natural world, and of the men and women in it. Boston University Center for the R. S. COHEN Philosophy and History of Science M. W. WARTOFSKY April 1974 PREFACE This collection spans - spottily - years from 1946 ('On Some Distinctions between Men and Brutes') to 1974 ('On the Nature of Natural Necessity').

Biology 2e

The blood system is multi-scale, from the organism to the organs to cells to intracellular signaling pathways to macromolecule interactions. Blood consists of circulating cells, cellular fragments (platelets and microparticles), and plasma macromolecules. Blood cells and their fragments result from a highly-ordered process, hematopoiesis. Definitive hematopoiesis occurs in the bone marrow, where pluripotential stem cells give rise to multiple lineages of highly specialized cells. Highly-productive and continuously regenerative, hematopoiesis requires a microenvironment of mesenchymal cells and blood vessels. A Systems Biology Approach to Blood is divided into three main sections: basic components, physiological processes, and clinical applications. Using blood as a window, one can study health and disease through this unique tool box with reactive biological fluids that mirrors the prevailing hemodynamics of the vessel walls and the various blood cell types. Many blood diseases, rare and common can and have been exploited using systems biology approaches with successful results and therefore ideal models for systems medicine. More importantly, hematopoiesis offers one of the best studied systems with insight into stem cell biology, cellular interaction, development; lineage programming and reprogramming that are every day influenced by the most mature and understood regulatory networks.

Nature's Fabric

Concepts of Biology is designed for the single-semester introduction to biology course for non-science majors, which for many students is their only college-level science course. As such, this course represents an important opportunity for students to develop the necessary knowledge, tools, and skills to make informed decisions as they continue with their lives. Rather than being mired down with facts and vocabulary, the typical non-science major student needs information presented in a way that is easy to read and understand. Even more importantly, the content should be meaningful.

Students do much better when they understand why biology is relevant to their everyday lives. For these reasons, Concepts of Biology is grounded on an evolutionary basis and includes exciting features that highlight careers in the biological sciences and everyday applications of the concepts at hand. We also strive to show the interconnectedness of topics within this extremely broad discipline. In order to meet the needs of today's instructors and students, we maintain the overall organization and coverage found in most syllabi for this course. A strength of Concepts of Biology is that instructors can customize the book, adapting it to the approach that works best in their classroom. Concepts of Biology also includes an innovative art program that incorporates critical thinking and clicker questions to help students understand--and apply--key concepts.

Evolutionary Biology

Does drinking really kill brain cells? Does listening to Mozart make your baby smarter? For all the mileage we've gotten from our own brains, most of us have essentially no idea how they work. We're easily susceptible to myths (like the "fact" that we use only 10% of our brains) and misconceptions (like the ones perpetrated by most Hollywood movies), probably because we've never known where to turn for the truth. But neurologists Sandra Aamodt and Sam Wang are glad to help. In this funny, accessible book, we get a guided tour of our own minds, what they're made of, how they work, and how they can go wrong. Along the way, we get a host of diagrams, quizzes, and "cocktail party tips" that shed light on the questions we nag each other about. (Can a head injury make you forget your own name? Are dolphins smarter than chimpanzees?) Fun and surprisingly engrossing, *Welcome to Your Brain* shows you how your brain works, and how you can make it work better.

Nature of Biology

In *Modern Nature*, Lynn K. Nyhart traces the emergence of a "biological perspective" in late nineteenth-century Germany that emphasized the dynamic relationships among organisms, and between organisms and their environment. Examining this approach to nature in light of Germany's fraught urbanization and industrialization, as well the opportunities presented by new and reforming institutions, she argues that rapid social change drew attention to the role of social relationships and physical environments in rendering a society—and nature—whole, functional, and healthy. This quintessentially modern view of nature, Nyhart shows, stood in stark contrast to the standard naturalist's orientation toward classification. While this new biological perspective would eventually grow into the academic discipline of ecology, *Modern Nature* locates its roots outside the universities, in a vibrant realm of populist natural history inhabited by taxidermists and zookeepers, schoolteachers and museum reformers, amateur enthusiasts and nature protectionists. Probing the populist beginnings of animal ecology in Germany, Nyhart unites the history of popular natural history with that of elite science in a new way. In doing so, she brings to light a major orientation in late nineteenth-century biology that has long been eclipsed by

Darwinism.

The Critical Review of Theological & Philosophical Literature

Nature of Biology

The Nature-study Review

With extensive coverage of synthesis techniques and applications, this text describes chemical biology techniques which have gained significant impetus during the last five years. It focuses on the methods for obtaining modified and native nucleic acids, and their biological applications. Topics covered include: chemical synthesis of modified RNA expansion of the genetic alphabet in nucleic acids by creating new base pairs chemical biology of DNA replication: probing DNA polymerase selectivity mechanisms with modified nucleotides nucleic-acid-templated chemistry chemical biology of peptide nucleic acids (PNA) the interactions of small molecules with DNA and RNA the architectural modules of folded RNAs genesis and biological applications of locked nucleic acid (LNA) small non-coding RNA in bacteria microRNA-guided gene silencing nucleic acids based therapies innate immune recognition of nucleic acid light-responsive nucleic acids for the spatiotemporal control of biological processes DNA methylation frameworks for programming RNA devices RNA as a catalyst: The Diels-Alderase-Ribozyme evolving an understanding of RNA function by in vitro approaches the chemical biology of aptamers: synthesis and applications nucleic acids as detection tools bacterial riboswitch discovery and analysis The Chemical Biology of Nucleic Acids is an essential compendium of the synthesis of nucleic acids and their biological applications for bioorganic chemists, chemical biologists, medicinal chemists, cell biologists, and molecular biologists.

Study Guide to Accompany The Nature of Life

The Chemical Biology of Nucleic Acids

The Princeton Review's MCAT® Biology Review contains in-depth coverage of the challenging biology topics on this important test. --

Occupational Therapy with Elders - E-Book

Reading Essentials for Biology

Shrink-wrapped, looseleaf textbook for student binder + eBookPLUS Available for select titles, Jacaranda FlexiSavers provide students with a flexible, cost-saving alternative to the student textbook on your booklist. FlexiSavers are priced at 70% of the RRP of a standard textbook and are packaged as shrink-wrapped, looseleaf pages - making them ideal for student binders. All Jacaranda FlexiSavers include access to eBookPLUS. JACARANDA FLEXISAVER BENEFITS FOR PARENTS & STUDENTS: 1. 30% cost saving 2. Flexible format enables insertion of students and teacher notes throughout 3. Lightweight option of only bringing the chapters required to school The fourth editions of the Nature of Biology series have been revised and enhanced to specifically include the latest 2012 VCAA study design updates. Clear and easy-to-read explanations, detailed diagrams, and Quick-check questions throughout the chapters check and extend student understanding in line with VCE outcomes. Student text features: ? The latest VCAA study design updates ? Videos, animations and interactivities ? A wealth of weblinks ? Highlighted text to help students identify the key concepts on each page Nature of Biology Book 1 4E eBookPLUS is an electronic version of the textbook and a complementary set of targeted digital resources. These flexible and engaging ICT activities are available to you online at the jacarandaPLUS website (www.jacplus.com.au). Your eBookPLUS resources include: ? interactive activities and a wealth of ICT resources ? Word documents designed for easy customisation and editing ? HTML links to other useful support material on the internet Click to view Nature of Biology Book 1 4E eBookPLUS. Click here to view a Nature of Biology Value Pack.

Admission Assessment Exam Review E-Book

The only comprehensive book on geriatric occupational therapy designed specifically for the COTA, Occupational Therapy with Elders: Strategies for the COTA, 3rd Edition provides in-depth coverage of each aspect of geriatric practice, from wellness and prevention to death and dying. A discussion of foundational concepts includes aging trends and strategies for elder care, and coverage of emerging areas includes low-vision rehabilitation, mobility issues including driving, and Alzheimer's disease and other forms of dementia. Expert authors René Padilla, Sue Byers-Connon, and Helene Lohman offer an unmatched discussion of diverse populations and the latest on geriatric policies and procedures in this fast-growing area of practice. Unique! A focus on the occupational therapy assistant highlights the importance of COTAs to the care of elder clients. Case studies illustrate principles and help you apply what you've learned to actual situations. Key terms, chapter objectives, and review questions highlight important content in each chapter. Use of the term "elder" reduces the stereotypical role of dependent patients and helps to dispel myths about aging. A multidisciplinary approach demonstrates how the OT and the COTA can collaborate effectively. Unique! Attention to diverse populations and cultures prepares you to respect and care for clients of different backgrounds. Unique! The companion Evolve website makes review easier with

more learning activities, references linked to MEDLINE abstracts, and links to related OT sites. Unique! A discussion of elder abuse, battered women, and literacy includes information on how the COTA can address these often-overlooked issues. New information on alternative treatment settings for elders reflects new trends in OT care. Updated information on Medicare, Medicaid, and HIPAA regulations discusses the latest policies and how to incorporate the newest procedures into practice. Significant additions are made to the chapters on public policy, dementia, and oncology.

Endocytosis

Annual Reports in Medicinal Chemistry

Evolutionary Biology, of which this is the twenty-second volume, continues to offer its readers a wide range of original articles, reviews, and commentaries on evolution, in the broadest sense of that term. The topics of the reviews range from anthropology, molecular evolution, and paleobiology to principles of systematics. In recent volumes, a broad spectrum of articles have appeared on such subjects as asymmetric sexual isolation, biochemical systematics in plants, species selection, DNA hybridization and phylogenetics, modes of evolution in Pleistocene rodents, and development and evolution of the vertebrate limb. We have also attempted to provide a forum for conflicting ideas. Articles such as these, often too long for standard journals, are the material for Evolutionary Biology. The editors continue to solicit manuscripts on an international scale in an effort to see that everyone of the many facets of biological evolution is covered. Manuscripts should be sent to anyone of the following: Max K. Hecht, Department of Biology, Queens College of the City University of New York, Flushing, New York 11367; Bruce Wallace, Department of Biology, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061; Ghilleen T. Prance, New York Botanical Garden, Bronx, New York 10458. The Editors vii Contents 1. Phylogeny of Early Vertebrate Skeletal Induction and Ossification Patterns 1 John G. Maisey Introduction: The Fossil Record.. 1 ..

The Nature of Living Things

After exploring the relationship between patterns of classification and phylogeny, this text concludes that if the hierarchical pattern of classification is a real phenomenon, then the taxonomic statements of biology are unique.

Man Is by Nature a Political Animal

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provide students with a flexible, cost-saving alternative to the student textbook on your booklist. FlexiSavers are priced at 70% of the RRP of a standard textbook and are packaged as shrink-wrapped, looseleaf pages - making them ideal for student binders. All Jacaranda FlexiSavers include access to eBookPLUS. JACARANDA FLEXISAVER BENEFITS FOR PARENTS & STUDENTS: 1. 30% cost saving 2. Flexible format enables insertion of students and teacher notes throughout 3. Lightweight option of only bringing the chapters required to school The fourth editions of the Nature of Biology series have been revised and enhanced to specifically include the latest 2012 VCAA study design updates. Clear and easy-to-read explanations, detailed diagrams, and Quick-check questions throughout the chapters check and extend student understanding in line with VCE outcomes. Nature of Biology Book 2 (Units 3 & 4) includes references to studyON VCE Biology, Jacaranda's online tool, which features past VCAA exam questions, instant feedback, a progress tracker, videos and animations. studyON VCE Biology is designed to help maximise study, revision and exam practice for students. Student text features: ? The latest VCAA study design updates ? studyON VCE Biology references to the online study, revision and exam practice tool ? Videos, animations and interactivities ? A wealth of weblinks ? Highlighted text to help students identify the key concepts on each page Nature of Biology Book 2 4E eBookPLUS is an electronic version of the textbook and a complementary set of targeted digital resources. These flexible and engaging ICT activities are available to you online at the jacarandaPLUS website (www.jacplus.com.au). Your eBookPLUS resources include: ? interactive activities and a wealth of ICT resources ? Word documents designed for easy customisation and editing ? HTML links to other useful support material on the internet Click to view Nature of Biology Book 2 4E eBookPLUS. Click here to view a Nature of Biology Book 2 4E Value Pack.

Welcome to Your Brain

International Review of Cell and Molecular Biology presents comprehensive reviews and current advances in cell and molecular biology. Articles address structure and control of gene expression, nucleocytoplasmic interactions, control of cell development and differentiation, and cell transformation and growth. The series has a world-wide readership, maintaining a high standard by publishing invited articles on important and timely topics authored by prominent cell and molecular biologists. Impact factor for 2012: 4.973. Authored by some of the foremost scientists in the field Provides comprehensive reviews and current advances Wide range of perspectives on specific subjects Valuable reference material for advanced undergraduates, graduate students and professional scientists

The Nature-study Review

An insider's view of science reveals why many scientific results cannot be relied upon - and how the system can be reformed. Science is how we understand the world. Yet failures in peer review and mistakes in statistics have rendered a shocking number of scientific studies useless - or, worse, badly misleading. Such errors have distorted our knowledge in

fields as wide-ranging as medicine, physics, nutrition, education, genetics, economics, and the search for extraterrestrial life. As *Science Fictions* makes clear, the current system of research funding and publication not only fails to safeguard us from blunders but actively encourages bad science – with sometimes deadly consequences. Stuart Ritchie’s own work challenging an infamous psychology experiment helped spark what is now widely known as the “replication crisis,” the realization that supposed scientific truths are often just plain wrong. Now, he reveals the very human biases, misunderstandings, and deceptions that undermine the scientific endeavor: from contamination in science labs to the secret vaults of failed studies that nobody gets to see; from outright cheating with fake data to the more common, but still ruinous, temptation to exaggerate mediocre results for a shot at scientific fame. Yet *Science Fictions* is far from a counsel of despair. Rather, it’s a defense of the scientific method against the pressures and perverse incentives that lead scientists to bend the rules. By illustrating the many ways that scientists go wrong, Ritchie gives us the knowledge we need to spot dubious research and points the way to reforms that could make science trustworthy once again.

The Origin and Nature of Life on Earth

Concepts of Biology

In *Man Is by Nature a Political Animal*, Peter K. Hatemi and Rose McDermott bring together a diverse group of contributors to examine the ways in which evolutionary theory and biological research are increasingly informing analyses of political behavior. Focusing on the theoretical, methodological, and empirical frameworks of a variety of biological approaches to political attitudes and preferences, the authors consider a wide range of topics, including the comparative basis of political behavior, the utility of formal modeling informed by evolutionary theory, the genetic bases of attitudes and behaviors, psychophysiological methods and research, and the wealth of insight generated by recent research on the human brain. Through this approach, the book reveals the biological bases of many previously unexplained variances within the extant models of political behavior. The diversity of methods discussed and variety of issues examined here will make this book of great interest to students and scholars seeking a comprehensive overview of this emerging approach to the study of politics and behavior.

The Teaching of Nature Study and the Biological Sciences

This landmark annual review has provided three decades of knowledge, insight, and research on topics critical to the continued advancement of the nursing profession. This latest edition is a compilation of the most significant nursing research in genetics and genomics. Articles have been carefully selected by the editors, highly respected scholars and

researchers in the field of genetics, to bring together current research that has particular relevance for translation into a clinical setting or expansion into other research areas. The review provides authoritative information of the highest caliber not only to researchers, but also to clinicians and undergraduate and graduate nursing students. Key Topics: The current status of genomic molecular science Ethical, legal, and social issues in genomics Genetics of diseases and symptoms Genomics across the lifespan

Nature of Biology

Annual Review of Nursing Research, Volume 29

Leaves are all around us—in backyards, cascading from window boxes, even emerging from small cracks in city sidewalks given the slightest glint of sunlight. Perhaps because they are everywhere, it's easy to overlook the humble leaf, but a close look at them provides one of the most enjoyable ways to connect with the natural world. A lush, incredibly informative tribute to the leaf, *Nature's Fabric* offers an introduction to the science of leaves, weaving biology and chemistry with the history of the deep connection we feel with all things growing and green. Leaves come in a staggering variety of textures and shapes: they can be smooth or rough, their edges smooth, lobed, or with tiny teeth. They have adapted to their environments in remarkable, often stunningly beautiful ways—from the leaves of carnivorous plants, which have tiny “trigger hairs” that signal the trap to close, to the impressive defense strategies some leaves have evolved to reduce their consumption. (Recent studies suggest, for example, that some plants can detect chewing vibrations and mobilize potent chemical defenses.) In many cases, we've learned from the extraordinary adaptations of leaves, such as the invention of new self-cleaning surfaces inspired by the slippery coating found on leaves. But we owe much more to leaves, and Lee also calls our attention back to the fact that that our very lives—and the lives of all on the planet—depend on them. Not only is foliage is the ultimate source of food for every living thing on land, its capacity to cycle carbon dioxide and oxygen can be considered among evolution's most important achievements—and one that is critical in mitigating global climate change. Taking readers through major topics like these while not losing sight of the small wonders of nature we see every day—if you'd like to identify a favorite leaf, Lee's glossary of leaf characteristics means you won't be left out on a limb—*Nature's Fabric* is eminently readable and full of intriguing research, sure to enhance your appreciation for these extraordinary green machines.

The Understanding of Nature

World-renowned in the fields of population genetics, bacterial genomics, paleontology, human genetics, and developmental

biology, the authors have elegantly synthesized molecular biology and evolutionary biology to produce a thoroughly integrated and current text. This new (textbook) is among the best.--"Nature." Full color.

Nature

Nature of Biology Book 2 3E is a comprehensive textbook resource written specifically to meet all requirements of units 3 and 4 of the VCE Biology Study Design. Nature of Biology Book 1 3E covers units 1 and 2 of the study design. The popular elements of previous editions are retained, and new features are introduced to engage students interest and ensure their understanding of biological concepts is developed clearly over the two years of study. Features New chapter introductions that relate topics to real and contemporary contexts High-quality, clearly labelled illustrations and unique images that bring the text to life and encourage discussion Australian case studies, personal stories and an expanded range of 'Biologist at work' profiles regular sets of 'Key ideas' and 'Quick-check' questions to test understanding of the key knowledge points New 'Biochallenge' pages that focus on applying knowledge in response to visual stimuli and data 'Chapter review' questions that specify the relevant key skills and include links to website to encourage further research Nature of Biology Book 2 3E is now supported by eBookPLUS! What is eBookPLUS? Nature of Biology Book 2 3E eBookPLUS is an electronic version of the textbook and a complementary set of targeted digital resources. These flexible and engaging ICT activities are available to you online at the jacarandaPLUS website (www.jacplus.com.au). Your eBookPLUS resources include: HTML links to other useful support material on the internet Word documents designed for easy customisation and editing interactive activities and a wealth of ICT resources

Philosophy of Biology

Passing your admission assessment exam is the first step on the journey to becoming a successful health professional — make sure you're prepared with Admission Assessment Exam Review, 3rd Edition from the testing experts at HESI! It offers complete content review and nearly 400 practice questions on the topics typically found on admission exams, including math, reading comprehension, vocabulary, grammar, biology, chemistry, anatomy and physiology, and physics. Plus, it helps you identify areas of weakness so you can focus your study time. Sample problems and step-by-step examples with explanations in the math and physics sections show you how to work through each problem so you understand the steps it takes to complete the equation. Practice tests with answer keys for each topic — located in the appendices for quick access — help you assess your understanding of each topic and familiarize you with the types of questions you're likely to encounter on the actual exam. HESI Hints boxes offer valuable test-taking tips, as well as rationales, suggestions, examples, and reminders for specific topics. End-of-chapter review questions help you gauge your understanding of chapter content. A full-color layout and more illustrations in the life science chapters visually reinforce key concepts for better

understanding. Expanded and updated content in each chapter ensures you're studying the most current content. Basic algebra review in the math section offers additional review and practice. Color-coded chapters help you quickly find specific topic sections. Helpful organizational features in each chapter include an introduction, key terms, chapter outline, and a bulleted chapter summary to help you focus your study. A glossary at the end of the text offers quick access to key terms and their definitions.

Ecological Principles of Nature Conservation

Biology 2e (2nd edition) is designed to cover the scope and sequence requirements of a typical two-semester biology course for science majors. The text provides comprehensive coverage of foundational research and core biology concepts through an evolutionary lens. Biology includes rich features that engage students in scientific inquiry, highlight careers in the biological sciences, and offer everyday applications. The book also includes various types of practice and homework questions that help students understand -- and apply -- key concepts. The 2nd edition has been revised to incorporate clearer, more current, and more dynamic explanations, while maintaining the same organization as the first edition. Art and illustrations have been substantially improved, and the textbook features additional assessments and related resources.

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