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Evaluation in Today's World - Veronica G. Thomas 2020-08-27
Evaluation in Today's World: Respecting Diversity, Improving Quality, and Promoting Usability is a timely and comprehensive textbook that guides students, practitioners, and users of

evaluations in understanding evaluation purposes, theories, methodologies, and challenges within today's sociocultural and political context. Veronica G. Thomas and Patricia B. Campbell include discussions of evaluation history, frameworks, models, types,

planning, and methods, through a social justice, diversity, and inclusive lens. The authors focus on ethics in diverse cultural contexts, help readers understand how social problems and programs get politicized and, sometimes, framed through a racialized lens, show how to engage stakeholders in the evaluation process, and communicate results in culturally appropriate ways.

Molecular Evolution - Roderick D.M. Page
2009-07-14

The study of evolution at the molecular level has given the subject of evolutionary biology a new significance. Phylogenetic 'trees' of gene sequences are a powerful tool for recovering evolutionary relationships among species, and can be used to answer a broad range of evolutionary and ecological questions. They are also beginning to permeate the medical sciences. In this book, the authors approach the study of molecular evolution with the phylogenetic tree as a central metaphor. This

will equip students and professionals with the ability to see both the evolutionary relevance of molecular data, and the significance evolutionary theory has for molecular studies. The book is accessible yet sufficiently detailed and explicit so that the student can learn the mechanics of the procedures discussed. The book is intended for senior undergraduate and graduate students taking courses in molecular evolution/phylogenetic reconstruction. It will also be a useful supplement for students taking wider courses in evolution, as well as a valuable resource for professionals. First student textbook of phylogenetic reconstruction which uses the tree as a central metaphor of evolution. Chapter summaries and annotated suggestions for further reading. Worked examples facilitate understanding of some of the more complex issues. Emphasis on clarity and accessibility.

Campbell Biology in Focus - Lisa A. Urry
2013-01-08

In 900 text pages, Campbell Biology in Focus

emphasizes the essential content and scientific skills needed for success in the college introductory course for biology majors. Each unit streamlines content to best fit the needs of instructors and students, based on surveys, curriculum initiatives, reviews, discussions with hundreds of biology professors, and careful analyses of course syllabi. Every chapter includes a Scientific Skills Exercise that builds skills in graphing, interpreting data, experimental design, and math—skills biology majors need in order to succeed in their upper-level courses. This briefer book upholds the Campbell hallmark standards of accuracy, clarity, and pedagogical innovation.

Biology for AP[®] Courses - Julianne Zedalis
2017-10-16

Biology for AP[®] courses covers the scope and sequence requirements of a typical two-semester Advanced Placement[®] biology course. The text provides comprehensive coverage of foundational research and core biology concepts

through an evolutionary lens. Biology for AP[®] Courses was designed to meet and exceed the requirements of the College Board's AP[®] Biology framework while allowing significant flexibility for instructors. Each section of the book includes an introduction based on the AP[®] curriculum and includes rich features that engage students in scientific practice and AP[®] test preparation; it also highlights careers and research opportunities in biological sciences.

Human Biology - Daniel D. Chiras 2005

Intended for non-majors, this textbook describes the structure and functions of each human body system, explores the body processes that regulate chemical levels in the blood and body temperature, and overviews genetics, human reproduction, and evolution. The fifth edition trims the overall length by 20% while adding short essays on past scientific

Study Guide for Campbell Biology - Jane B. Reece 2011-04-26

Students can master key concepts and earn a

better grade with the thought-provoking exercises found in this study guide. A wide range of questions and activities helps students test their understanding of biology.

Biology of Disease - Nessar Ahmed 2007-01-24
Biology of Disease describes the biology of many of the human disorders and disease that are encountered in a clinical setting. It is designed for first and second year students in biomedical science programs and will also be a highly effective reference for health science professionals as well as being valuable to students beginning medical school. Real cases are used to illustrate the importance of biology in understanding the causes of diseases, as well as in diagnosis and therapy.

Data Structures and Algorithms in Python - Michael T. Goodrich 2013-03-08
Based on the authors' market leading data structures books in Java and C++, this textbook offers a comprehensive, definitive introduction to data structures in Python by authoritative

authors. Data Structures and Algorithms in Python is the first authoritative object-oriented book available for the Python data structures course. Designed to provide a comprehensive introduction to data structures and algorithms, including their design, analysis, and implementation, the text will maintain the same general structure as Data Structures and Algorithms in Java and Data Structures and Algorithms in C++.

Reproductive Ecology and Human Evolution - Peter T. Ellison 2017-09-04

The study of human reproductive ecology represents an important new development in human evolutionary biology. Its focus is on the physiology of human reproduction and evidence of adaptation, and hence the action of natural selection, in that domain. But at the same time the study of human reproductive ecology provides an important perspective on the historical process of human evolution, a lens through which we may view the forces that have

shaped us as a species. In the end, all actions of natural selection can be reduced to variation in the reproductive success of individuals. Peter Ellison is one of the pioneers in the fast growing area of reproductive ecology. He has collected for this volume the research of thirty-one of the most active and influential scientists in the field. Thanks to recent noninvasive techniques, these contributors can present direct empirical data on the effect of a broad array of ecological, behavioral, and constitutional variables on the reproductive processes of humans as well as wild primates. Because biological evolution is cumulative, however, organisms in the present must be viewed as products of the selective forces of past environments. The study of adaptation thus often involves inferences about formative ecological relationships that may no longer exist, or not in the same form. Making such inferences depends on carefully weighing a broad range of evidence drawn from studies of contemporary ecological variation, comparative

studies of related taxonomies, and paleontological and genetic evidence of evolutionary history. The result of this inquiry sheds light not only on the functional aspects of an organism's contemporary biology but also on its evolutionary history and the selective forces that have shaped it through time. Encompassing a range of viewpoints--controversy along with consensus--this far-ranging collection offers an indispensable guide for courses in biological anthropology, human biology, and primatology, along with

Campbell Biology - Lisa A. Urry 2016-10-05

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9780134082318 Campbell Biology Plus MasteringBiology with eText -- Access Card Package Package consists of: 0134093410 / 9780134093413 Campbell Biology 0134472942 / 9780134472942 MasteringBiology with Pearson eText -- ValuePack Access Card -- for Campbell Biology The World's Most Successful Majors Biology Text and Media Program are Better than Ever The Eleventh Edition of the best-selling Campbell BIOLOGY sets students on the path to success in biology through its clear and engaging narrative, superior skills instruction, innovative use of art and photos, and fully integrated media resources to enhance teaching and learning. To engage learners in developing a deeper understanding of biology, the Eleventh Edition challenges them to apply their knowledge and skills to a variety of new hands-on activities and exercises in the text and online. Content updates throughout the text reflect rapidly evolving research, and new learning tools include Problem-Solving Exercises,

Visualizing Figures, Visual Skills Questions, and more. Also Available with MasteringBiology™ MasteringBiology is an online homework, tutorial, and assessment product designed to improve results by helping students quickly master concepts. Features in the text are supported and integrated with MasteringBiology assignments, including new Figure Walkthroughs, Galapagos Evolution Video Activities, Get Ready for This Chapter questions, Visualizing Figure Tutorials, Problem-Solving Exercises, and more.

Practicing Biology - Neil A. Campbell
2007-12-01

This workbook offers a variety of activities to suit different learning styles. Activities such as modeling and mapping allow students to visualize and understand biological processes. New activities focus on reading and developing graphs and basic skills.
Oceanography and Marine Biology - David W. Townsend 2012

Oceanography and Marine Biology preserves the basic elements of the physical, chemical, and geological aspects of the marine sciences, and merges those fundamentals into a broader framework of marine biology and ecology. I have found that this approach works: my class of 350 students fills every semester it is offered, with students on waiting lists to get in. But existing textbooks on oceanography or marine biology address the companion field only cursorily: very few pages in oceanography texts are devoted to marine biology, and vice versa. This new book overcomes that imbalance, bringing these disparate marine science text formats closer together, giving them more equal weight, and introducing more effectively the physical sciences by showing students with everyday examples how such concepts form the foundation upon which to build a better understanding of the marine environment in a changing world.

Vultures - Michael O'Neal Campbell 2015-06-26

This book reexamines current knowledge on the evolution, ecology, and conservation biology of both New World vultures (Cathartidae) and Old World vultures (Accipitridae) and seeks answers to past and present regional extinctions, colorizations, and conservation questions. Extinct species of both families are examined, as is the disputed evidence for

Biology - Neil A. Campbell 2005

Experimental and Quasi-Experimental Designs for Research - Donald T. Campbell
2015-09-03

We shall examine the validity of 16 experimental designs against 12 common threats to valid inference. By experiment we refer to that portion of research in which variables are manipulated and their effects upon other variables observed. It is well to distinguish the particular role of this chapter. It is not a chapter on experimental design in the Fisher (1925, 1935) tradition, in which an experimenter having

complete mastery can schedule treatments and measurements for optimal statistical efficiency, with complexity of design emerging only from that goal of efficiency. Insofar as the designs discussed in the present chapter become complex, it is because of the intransigency of the environment: because, that is, of the experimenter's lack of complete control.

Campbell Biology - Jane B. Reece 2012-03-23

Statistical Power Analysis for the Behavioral Sciences - Jacob Cohen 2013-05-13

Statistical Power Analysis is a nontechnical guide to power analysis in research planning that provides users of applied statistics with the tools they need for more effective analysis. The Second Edition includes: * a chapter covering power analysis in set correlation and multivariate methods; * a chapter considering effect size, psychometric reliability, and the efficacy of "qualifying" dependent variables and; * expanded power and sample size tables for

multiple regression/correlation.

Study Guide for Campbell Biology, Canadian Edition - Jane B. Reece 2014-04-05

Principles of Animal Physiology - Christopher D. Moyes 2015-01-15

Principles of Animal Physiology, by Chris Moyes and Trish Schulte, is designed to provide second- and third-year, undergraduate university students enrolled in animal physiology courses with an approach that balances its presentation of comparative physiology with mechanistic topics. The book delivers the fundamentals of animal physiology, while providing an integrative learning experience, drawing on ideas from chemistry, physics, mathematics, molecular biology and cell biology for its conceptual underpinnings.

Essential Cell Biology - Bruce Alberts 2015-01-01

Essential Cell Biology provides a readily accessible introduction to the central concepts

of cell biology, and its lively, clear writing and exceptional illustrations make it the ideal textbook for a first course in both cell and molecular biology. The text and figures are easy-to-follow, accurate, clear, and engaging for the introductory student. Molecular detail has been kept to a minimum in order to provide the reader with a cohesive conceptual framework for the basic science that underlies our current understanding of all of biology, including the biomedical sciences. The Fourth Edition has been thoroughly revised, and covers the latest developments in this fast-moving field, yet retains the academic level and length of the previous edition. The book is accompanied by a rich package of online student and instructor resources, including over 130 narrated movies, an expanded and updated Question Bank. Essential Cell Biology, Fourth Edition is additionally supported by the Garland Science Learning System. This homework platform is designed to evaluate and improve student

performance and allows instructors to select assignments on specific topics and review the performance of the entire class, as well as individual students, via the instructor dashboard. Students receive immediate feedback on their mastery of the topics, and will be better prepared for lectures and classroom discussions. The user-friendly system provides a convenient way to engage students while assessing progress. Performance data can be used to tailor classroom discussion, activities, and lectures to address students' needs precisely and efficiently. For more information and sample material, visit <http://garlandscience.rocketmix.com/>.

Biology for a Changing World - Michele Shuster 2011-08-12

Feedback Systems - Karl Johan Åström 2021-02-02

The essential introduction to the principles and applications of feedback systems—now fully

revised and expanded This textbook covers the mathematics needed to model, analyze, and design feedback systems. Now more user-friendly than ever, this revised and expanded edition of Feedback Systems is a one-volume resource for students and researchers in mathematics and engineering. It has applications across a range of disciplines that utilize feedback in physical, biological, information, and economic systems. Karl Åström and Richard Murray use techniques from physics, computer science, and operations research to introduce control-oriented modeling. They begin with state space tools for analysis and design, including stability of solutions, Lyapunov functions, reachability, state feedback observability, and estimators. The matrix exponential plays a central role in the analysis of linear control systems, allowing a concise development of many of the key concepts for this class of models. Åström and Murray then develop and explain tools in the frequency

domain, including transfer functions, Nyquist analysis, PID control, frequency domain design, and robustness. Features a new chapter on design principles and tools, illustrating the types of problems that can be solved using feedback Includes a new chapter on fundamental limits and new material on the Routh-Hurwitz criterion and root locus plots Provides exercises at the end of every chapter Comes with an electronic solutions manual An ideal textbook for undergraduate and graduate students Indispensable for researchers seeking a self-contained resource on control theory
Texas Politics - Calvin C. Jillson 2011
The fifth edition of this popular text is now expanded and updated to better fit the needs of a stand-alone Texas Politics course. Jillson continues to approach the politics of the Lone Star State from historical, developmental, and analytical perspectives, while giving students the most even-handed, readable, and engaging description of Texas politics available today.

Throughout the book students are encouraged to connect the origins and development of government and politics in Texas--from the Texas Constitution, to party competition, to the role and powers of the Governor--to its current day.

Quantum Computation and Quantum Information - Michael A. Nielsen 2000-10-23

First-ever comprehensive introduction to the major new subject of quantum computing and quantum information.

The Biology of Sea Turtles, Volume II - Peter L. Lutz 2002-12-17

The success of the first volume of *The Biology of Sea Turtles* revealed a need for broad but comprehensive reviews of major recent advances in sea turtle biology. *Biology of Sea Turtles, Volume II* emphasizes practical aspects of biology that relate to sea turtle management and to changes in marine and coastal ecosystems. These topics i

Biology of Spiders - Rainer Foelix 2011-05-05

One of the only books to treat the whole spider, from its behavior and physiology to its neurobiology and reproductive characteristics, *Biology of Spiders* is considered a classic in spider literature. First published in German in 1979, the book is now in its third edition, and has established itself as the supreme authority on these fascinating creatures. Containing five hundred new references, this book incorporates the latest research while dispelling many oft-heard myths and misconceptions that surround spiders. Of special interest are chapters on the structure and function of spider webs and silk, as well as those on spider venom. A new subchapter on tarantulas will appeal especially to tarantula keepers and breeders. The highly accessible text is supplemented by exceptional, high-quality photographs, many of them originals, and detailed diagrams. It will be of interest to arachnologists, entomologists, and zoologists, as well as to academics, students of biology, and the general reader curious about

spiders.

Biology 2e - Mary Ann Clark 2018-04

Campbell Biology in Focus - Lisa A. Urry 2019

Revised edition of: *Campbell biology in focus* /

Lisa A. Urry, Michael L. Cain, Steven A.

Wasserman, Peter V. Minorsky, Jane B. Reece.

Second edition. [2016].

Campbell Biology - Jane B. Reece 2011

Helping Students Make Connections Across

Biology Campbell BIOLOGY is the unsurpassed

leader in introductory biology. The text's

hallmark values--accuracy, currency, and

passion for teaching and learning--have made it

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the Key Concepts chapter framework of previous

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sections Make connections at a higher cognitive

level through new Summary of Key Concepts

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Biological Sequence Analysis - Richard Durbin

1998-04-23

Probabilistic models are becoming increasingly

important in analysing the huge amount of data

being produced by large-scale DNA-sequencing

efforts such as the Human Genome Project. For

example, hidden Markov models are used for analysing biological sequences, linguistic-grammar-based probabilistic models for identifying RNA secondary structure, and probabilistic evolutionary models for inferring phylogenies of sequences from different organisms. This book gives a unified, up-to-date and self-contained account, with a Bayesian slant, of such methods, and more generally to probabilistic methods of sequence analysis. Written by an interdisciplinary team of authors, it aims to be accessible to molecular biologists, computer scientists, and mathematicians with no formal knowledge of the other fields, and at the same time present the state-of-the-art in this new and highly important field.

Campbell Essential Biology - Eric Jeffrey Simon
2013

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products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. -- Campbell Essential Biology with MasteringBiology®, Fifth Edition, makes biology irresistibly interesting for non-majors biology students. This best-selling text,

known for its scientific accuracy and currency, makes biology relevant and approachable with increased use of analogies, real world examples, more conversational language, and intriguing questions. Over 100 new MasteringBiology activities engage students outside of the classroom, plus new PowerPoint® presentations on issues like infectious disease and climate change offer a springboard for high-impact lectures. Campbell Essential Biology... make biology irresistibly interesting. 0321763335 / 9780321763334 Campbell Essential Biology Plus MasteringBiology with eText -- Access Card Package Package consists of: 0321772598 / 9780321772596 Campbell Essential Biology 0321791711 / 9780321791719 MasteringBiology with Pearson eText -- Valuepack Access Card -- for Campbell Essential Biology (with Physiology chapters) (ME component)

The Death and Life of Great American Cities

- Jane Jacobs 2016-07-20

Thirty years after its publication, The Death and

Life of Great American Cities was described by The New York Times as "perhaps the most influential single work in the history of town planning...[It] can also be seen in a much larger context. It is first of all a work of literature; the descriptions of street life as a kind of ballet and the biting satiric account of traditional planning theory can still be read for pleasure even by those who long ago absorbed and appropriated the book's arguments." Jane Jacobs, an editor and writer on architecture in New York City in the early sixties, argued that urban diversity and vitality were being destroyed by powerful architects and city planners. Rigorous, sane, and delightfully epigrammatic, Jacobs's small masterpiece is a blueprint for the humanistic management of cities. It is sensible, knowledgeable, readable, indispensable. The author has written a new foreword for this Modern Library edition.

Gut Microbiota - Edward Ishiguro 2018-01-10

Gut Microbiota: Interactive Effects on Nutrition

and Health provides a detailed account of gut microbiota research, an exploration of how diet influences gut microbiota and the implications of gut microbiota for health. The book provides a summary of how diet interacts with the gut microbiome and presents practical applications focused on food, supplements and safety. This book provides scientists and clinicians who have an interest in the microbiome with an understanding of the future potential—and limitations—of this tool, as they strive to make use of evidence-based diet information for the maintenance of good health. Consolidates new research on how gut microbiota affects nutrition Identifies how the research applies to food, supplements and safety Provides diet recommendations to improve health Includes case studies from clinical populations Explores how diet influences gut microbiota

Reinforcement Learning, second edition -

Richard S. Sutton 2018-11-13

The significantly expanded and updated new

edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In Reinforcement Learning, Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second

edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

Proofreading, Revising & Editing Skills Success in 20 Minutes a Day - Brady Smith 2003

This comprehensive guide will prepare candidates for the test in all 50 states. It includes four complete practice exams, a real estate refresher course and complete math review, as well as a real estate terms glossary with over 900 terms, and expert test-prep tips.

Biological Inquiry - University of Houston Downtown 2019-01-10

Aulton's Pharmaceuticals - Michael E. Aulton 2013

"Pharmaceutics is the art of pharmaceutical preparations. It encompasses design of drugs, their manufacture and the elimination of micro-organisms from the products. This book encompasses all of these areas."--Provided by publisher.

Campbell Biology in Focus, Loose-Leaf Edition - Lisa A. Urry 2019-01-04

NOTE: This loose-leaf, three-hole punched version of the textbook gives you the flexibility to take only what you need to class and add your own notes -- all at an affordable price. For loose-leaf editions that include MyLab(tm) or Mastering(tm), several versions may exist for each title and registrations are not transferable. You may need a Course ID, provided by your instructor, to register for and use MyLab or

Mastering products. For introductory biology course for science majors Focus. Practice. Engage. Built unit-by-unit, Campbell Biology in Focus achieves a balance between breadth and depth of concepts to move students away from memorization. Streamlined content enables students to prioritize essential biology content, concepts, and scientific skills that are needed to develop conceptual understanding and an ability to apply their knowledge in future courses. Every unit takes an approach to streamlining the material to best fit the needs of instructors and students, based on reviews of over 1,000 syllabi from across the country, surveys, curriculum initiatives, reviews, discussions with hundreds of biology professors, and the Vision and Change in Undergraduate Biology Education report. Maintaining the Campbell hallmark standards of accuracy, clarity, and pedagogical innovation, the 3rd Edition builds on this foundation to help students make connections across chapters, interpret real data, and synthesize their

knowledge. The new edition integrates new, key scientific findings throughout and offers more than 450 videos and animations in Mastering Biology and embedded in the new Pearson eText to help students actively learn, retain tough course concepts, and successfully engage with their studies and assessments. Also available with Mastering Biology By combining trusted author content with digital tools and a flexible platform, Mastering personalizes the learning experience and improves results for each student. Integrate dynamic content and tools with Mastering Biology and enable students to practice, build skills, and apply their knowledge. Built for, and directly tied to the text, Mastering Biology enables an extension of learning, allowing students a platform to practice, learn, and apply outside of the classroom. Note: You are purchasing a standalone product; Mastering Biology does not come packaged with this content. Students, if interested in purchasing this title with Mastering Biology ask your

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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.

Concepts of Biology - Samantha Fowler
2018-01-07

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.