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### KEY=SINAUER - EMILIO MCKENZIE

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**Animal Physiology** Published by Sinauer Associates, an imprint of Oxford University Press. **Animal Physiology** Sinauer Associates "Comprehensive, contemporary, and engaging, Animal Physiology provides evolutionary and ecological context to help students make connections across all levels of physiological scale"-- **The Clinical Chemistry of Laboratory Animals** CRC Press Key features: Serves as the detailed, authoritative source of the clinical chemistry of the most commonly used laboratory animals Includes detailed chapters dedicated to descriptions of clinical chemistry-related topics specific to each laboratory species as well as organ/class-specific chapters Presents information regarding evaluation and interpretation of a variety of individual clinical chemistry end points Concludes with detailed chapters dedicated to descriptions of statistical analyses and biomarker development of clinical chemistry-related topics Provides extensive reference lists at the end of each chapter to facilitate further study Extensively updated and expanded since the publication of Walter F. Loeb and Fred W. Quimby's second edition in 1999, the new The Clinical Chemistry of Laboratory Animals, Third Edition continues as the most comprehensive reference on in vivo animal studies. By organizing the book into species- and organ/class-specific chapters, this book provides information to enable a conceptual understanding of clinical chemistry across laboratory species as well as information on evaluation and interpretation of clinical chemistry data relevant to specific organ systems. Now sponsored by the American College of Laboratory Animal Medicine (ACLAM), this well-respected resource includes chapters on multiple laboratory species and provides pertinent information on their unique physiological characteristics, methods for sample collection, and preanalytical sources of variation for the particular species. Basic methodology for common procedures for each species is also discussed. New Chapters in the Third Edition Include: The Laboratory Zebrafish and Other Fishes Evaluation of Cardiovascular and Pulmonary Function and Injury Evaluation of Skeletal Muscle Function and Injury Evaluation of Bone Function and Injury Vitamins Development of Biomarkers Statistical Methods The Clinical Chemistry of Laboratory Animals, Third Edition is intended as a reference for use by veterinary students, clinical veterinarians, veterinary toxicologists, veterinary clinical pathologists, and laboratory animal veterinarians to aid in study design, collection of samples, and interpretation of clinical chemistry data for laboratory species. **Animal Behavior: How and Why Animals Do the Things They Do [3 volumes] How and Why Animals Do the Things They Do** ABC-CLIO Discover why animals do what they do, based on their genes, physiologies, cultures, traditions, survival and mating advantages, and evolutionary histories—and find out how studying behavior in the animal world helps us understand human behavior. • Provides readers with personal narratives from the researchers themselves, enabling rare insights into how researchers think and what drives their studies • Explains animal behavior on the animal's terms rather than anthropomorphizing its actions as is often done in the popular press and the media • Includes a comprehensive glossary of behavioral terms **TEXTBOOK OF ANIMAL BEHAVIOUR, THIRD EDITION** PHL Learning Pvt. Ltd. This well-accepted book, now in its Third Edition, is an extension of the previous edition. The text has further enriched with more information to understand animal behaviour coherently and scientifically. The book attempts to provide a reasonably suitable account of animal behaviour for undergraduate as well as postgraduate students. Although behaviour of animals has fascinated people for a long, behavioural biology has been incorporated in the syllabi very recently. The study of behaviour received its important boost from the work of Charles Darwin who used the term 'instinct', to refer to the natural behaviour of animals. In the 1930s, a comprehensive theory of animal behaviour emerged through the work of Konrad Lorenz and, later of Niko Tinbergen. Biological study of behaviour, in fact came of age as a science when Lorenz, Tinbergen and Karl von Frisch received the Nobel Prize for their contribution to science. Observing and describing exactly what animals do is fascinating and scientific analysis of their behaviour is significant for several reasons. Each species tends to have an array of stereotyped behaviours, some of which are shared with related species, but others are unique. Ecology, natural selection, macroevolution, microevolution, and gene constitute the foundation of animal behaviour. Various animal groups exhibit diverse strategies for their survival and reproduction which are discussed in this book. The book is primarily intended for the students of B.Sc./M.Sc. (Zoology/Life Science) for their courses. It would be useful for the researchers in the field of animal behaviour, and conservation biologists. It would also attract students who are pursuing courses in Sociology and Anthropology. Key features • Presents a well-balanced view of ethology. • Discusses the current development in the field. • Includes a glossary of important terms. • Offers chapter-end questions to check the students' understanding of the concept. **Invertebrate Embryology and Reproduction** Academic Press Invertebrate Embryology and Reproduction deals with the practical and theoretical objectives of the descriptive embryology of invertebrates, along with discussions on reproduction in these groups of animals. It explains several morphological and anatomical expressions in the field and covers the embryology of invertebrate animals, starting from the Protozoa, to the Echinodermata, the Protochordate and Tunicates. These groups include economically important aquatic invertebrates, such as crustaceans, as well as medically important invertebrates and economic arthropods. Each chapter is preceded by the taxonomy of the discussed phylum and/or the species to enable the reader to locate the systematic position. Covers phylum definition, general characteristics, classification, reproduction, agametic reproduction, gametic reproduction, spawning, fertilization, development and embryogenesis Includes recent findings in the area, along with detailed figures and photos that illustrate important concepts Brings together difficult-to-obtain research data from the field, not only in Egyptian libraries, but globally, and previously only found through specialized references not widely available Clarifies descriptions with striking photos and electron microscopical studies of different species **Animal Physiology** Sinauer Associates **Incorporated Animal Physiology: From Genes to Organisms** Cengage Learning Promoting a conceptual understanding and taking an integrative systems approach, ANIMAL PHYSIOLOGY 2E illustrates the individual organization as well as the collective interdependence of each complete physiological system. The text begins with chapters on integrative principles and on the genomic, molecular, and cellular basis of physiology, then proceeds to chapters on individual organ systems. For each organ system, evolutionary forces as well as current cellular and molecular research are discussed. To clearly illustrate system interdependence, each systems chapter contains a summary, titled Making Connections. To make the text even more accessible to students, the authors also incorporate a comparative approach to animal physiology, examining the basic physiology of many vertebrate and nonvertebrate animals as well as their primary diseases and ability to respond to environmental changes. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. **Principles of Animal Growth and Development** Kendall Hunt **The Physiology of Fishes, Third Edition** CRC Press New scientific approaches have dramatically evolved in the decade since The Physiology of Fishes was first published. With the genomic revolution and a heightened understanding of molecular biology, we now have the tools and the knowledge to apply a fresh approach to the study of fishes. Consequently, The Physiology of Fishes, Third Edition is not merely another updating, but rather an entire reworking of the original. To satisfy that need for a fresh approach, the editors have employed a new set of expert contributors steeped in the very latest research; their contemporary perspective pervades the entire text. In addition to new chapters on gas transport, temperature physiology, and stress, as well as one dedicated to functional genomics, readers will discover that many of these new contributors approach their material with a contemporary molecular perspective. While much of the material is new, the editors have completely adhered to the original's style in creating a text that continues to be highly readable and perpetually insightful in bridging the gap between pure and applied science. The Physiology of Fishes, Third Edition, completely updated with a molecular perspective, continues to be regarded as the best single-volume general reference on all major areas of research in fish physiology. The Physiology of Fishes, Third Edition provides background information for advanced students as well as material of interest to marine and fisheries biologists, ichthyologists, and comparative physiologists looking to differentiate between the physiological strategies unique to fishes, and those shared with other organisms. **Design & Nature V Comparing Design in Nature with Science and Engineering** WIT Press With the onward march of science and technology, and the continuing quest for improvement, there is a growing curiosity about the world around us. Close examination of structures in nature can be rewarding and surprising Nature has shown an extraordinary capacity to develop dynamic structures and systems over many millions of years and there is still much to be learnt. Aimed at providing researchers in this subject with fresh impetus and inspiration, this book consists of papers presented at the Fifth International Conference on Design and Nature. The contributions reflect the rich variety of work currently taking place around the world and cover the following topics: Nature and Architecture; Mechanics in Nature; Natural Materials and Processing; Solutions from Nature; Biomimetics; Biomimetics and Bioinspiration; Biocapacity; Education in Design and Nature, and Helical Design in Nature. **Epigenetic Principles of Evolution** Elsevier This is the first and only book, so far, to deal with the causal basis of evolution from an epigenetic view. By revealing the epigenetic "user" of the "genetic toolkit", this book demonstrates the primacy of epigenetic mechanisms and epigenetic information in generating evolutionary novelties. The author convincingly supports his theory with a host of examples from the most varied fields of biology, by emphasizing changes in developmental pathways as the basic source of evolutionary change in metazoans. Original and thought provoking--a radically new theory that overcomes the present difficulties of the theory of evolution Is the first and only theory that uses epigenetic mechanisms and principles for explaining evolution of metazoans Takes an integrative approach and shows a wide range of learning **Animal Behavior Desk Reference A Dictionary of Animal Behavior, Ecology, and Evolution, Third Edition** CRC Press "Words are our tools, and, as a minimum, we should use clean tools. We should know what we mean and what we do not, and we must forearm ourselves against the traps that language sets us." -- The Need for Precise Terminology, Austin (1957, 7-8) It follows that, for effective and efficient communication, people should have, or at least understand, the same precise terminology. Such terminology is crucial for the advancement of basic, theoretical, and applied science, yet too often there is ambiguity between scientific and common definitions and even discrepancies in the scientific literature. Providing a common ground and platform for precise scientific communication in animal behavior, ecology, evolution, and related branches of biology, Animal Behavior Desk Reference, A Dictionary of Behavior, Ecology, and Evolution, Third Edition contains more than 800 new terms and definitions, 48 new figures, and thousands of additions and improvements. Using a dictionary format to present definitions in a standard, easily accessible manner, the book's main body emphasizes conceptual terms, rather than anatomical parts or taxonomic terms, and focuses on nouns, rather than verbs or adjectives. Term hierarchies are handled with bulleted entries and terms with multiple definitions are included as superscripted entries. All sources are cited and most are paraphrased to conform to uniform style and length. The dictionary also includes nontechnical and obsolete terms, synonyms, pronunciations, and notes and comments, as well as etymologies, term originators, and related facts. Appendices address organism names, organizations, and databases. Devoted to the precise and correct use of scientific language, this third edition of a bestselling standard enables students and scientists alike to communicate their findings and promote the efficient advancement of science. **Equine Internal Medicine - E-Book** Elsevier Health Sciences Develop an essential understanding of the principles of equine disease with this one-of-a-kind, problem-based resource! Extensively revised and updated with contributions from an international team of experts, Equine Internal Medicine, 3rd Edition reflects the latest clinical research in equine medicine and focuses on the basic pathophysiologic mechanisms that underlie the development of various equine diseases to help you confidently diagnose, treat, and manage patient conditions. Problem-based approach outlines how to apply the latest clinical evidence directly to the conditions you'll encounter in practice. Pathophysiology is emphasized throughout, providing a sound basis for discussions of the diagnosis, treatment, and prognosis that follow. Body systems chapters begin with a thorough discussion of the diagnostic method appropriate to the system, including physical examination, clinical pathology, radiography, endoscopy, and ultrasonography. Flow charts, diagrams, and algorithms clarify complex material. Extensive content updates help you improve patient care with up-to-date research and clinical evidence across the full spectrum of equine practice, including: New sections on biofilm adhesins, resistance to phagocytosis, and host substrate utilization New information

on changes in body weight Recent findings on fibrocoxib and diclofenac Expanded and reorganized coverage of critical care New material on inborn errors of metabolism and acquired myopathies Detailed treatment information on various disorders of the reproductive tract A new section on toxicoses causing signs related to liver disease or dysfunction Bound-in companion DVD includes more than 120 high-quality video clips that guide you through procedures related to the cardiovascular and neurologic systems. **Oxidative Stress and Hormesis in Evolutionary Ecology and Physiology A Marriage Between Mechanistic and Evolutionary Approaches** Springer Science & Business Media This book discusses oxidative stress and hormesis from the perspective of an evolutionary ecologist or physiologist. In the first of ten chapters, general historical information, definitions, and background of research on oxidative stress physiology, hormesis, and life history are provided. Chapters 2-10 highlight the different solutions that organisms have evolved to cope with the oxidative threats posed by their environments and lifestyles. The author illustrates how oxidative stress and hormesis have shaped diversity in organism life-histories, behavioral profiles, morphological phenotypes, and aging mechanisms. The book offers fascinating insights into how organisms work and how they evolve to sustain their physiological functions under a vast array of environmental conditions.

**Reproduction In The Dog A Tropical Approach** Xlibris Corporation Dog breeding has gained tremendous awareness over the last decade. In some countries it is a source of employment for many and a means of poverty alleviation. The canine industry is growing tremendously and dogs are transported across borders all year round. As a result of this fast growing industry, the treatment given to dogs keeps improving as man's awareness increases. However, majority of the literature available to dog breeders and enthusiasts are of temperate origin and as a result, information available to the tropical breeder is limited. Raising dogs in the tropics is different from the temperate regions. The outcome of inadequate information affects the management of our canine friends. This affects the reproductive potential of dogs raised in the tropics. The environment which we give our dogs reflects on the dog's ability to exhibit its full genetic makeup. Hence, dogs might appear sterile, obese, underweight, or malnourished depending on its environment. This book, *Reproduction in the Dog: A Tropical Approach*, addresses the problems associated with dog breeding in the tropics and gives authentic information to the breeder, veterinarian, animal scientist or dog enthusiast. It covers all the reader needs to know about breeding, reproduction, artificial insemination, semen collection, handling and storage, cloning, feed composition, housing, care of dogs and lots more. **Nature Eckert Animal Physiology** Macmillan This classic animal physiology text focuses on comparative examples that illustrate the general principles of physiology at all levels of organisation—from molecular mechanisms to regulated physiological systems to whole organisms in their environment. This textbook is an authoritative and complete guide to the field of animal physiology which uses a threefold approach to teaching. The Comparative Approach emphasises basic mechanisms but allows patterns of physiological function in different species to demonstrate how evolution creates diversity. This approach encourages students to appreciate the underlying principles that govern physiological systems. The Experimental Emphasis helps students to understand the process of scientific discovery and shows how our knowledge of physiology continually increases and finally the Integrative Approach presents information about specific physiological systems at all levels of organisation, from molecular interactions to interactions between an organism and its environment. **Life: The Science of Biology: Volume III Plants and Animals** Macmillan **Encyclopedia of Evolutionary Biology** Academic Press Encyclopedia of Evolutionary Biology is the definitive go-to reference in the field of evolutionary biology. It provides a fully comprehensive review of the field in an easy to search structure. Under the collective leadership of fifteen distinguished section editors, it is comprised of articles written by leading experts in the field, providing a full review of the current status of each topic. The articles are up-to-date and fully illustrated with in-text references that allow readers to easily access primary literature. While all entries are authoritative and valuable to those with advanced understanding of evolutionary biology, they are also intended to be accessible to both advanced undergraduate and graduate students. Broad topics include the history of evolutionary biology, population genetics, quantitative genetics; speciation, life history evolution, evolution of sex and mating systems, evolutionary biogeography, evolutionary developmental biology, molecular and genome evolution, coevolution, phylogenetic methods, microbial evolution, diversification of plants and fungi, diversification of animals, and applied evolution. Presents fully comprehensive content, allowing easy access to fundamental information and links to primary research Contains concise articles by leading experts in the field that ensures current coverage of each topic Provides ancillary learning tools like tables, illustrations, and multimedia features to assist with the comprehension process **Animal Physiology** This text presents all the branches of modern animal physiology with a strong emphasis on integration among physiological disciplines, ecology, and evolutionary biology. **Introduction to Neuroscience I** Donald C. Cooper Ph.D. **Encyclopedia of Ecology** Newnes The groundbreaking Encyclopedia of Ecology provides an authoritative and comprehensive coverage of the complete field of ecology, from general to applied. It includes over 500 detailed entries, structured to provide the user with complete coverage of the core knowledge, accessed as intuitively as possible, and heavily cross-referenced. Written by an international team of leading experts, this revolutionary encyclopedia will serve as a one-stop-shop to concise, stand-alone articles to be used as a point of entry for undergraduate students, or as a tool for active researchers looking for the latest information in the field. Entries cover a range of topics, including: Behavioral Ecology Ecological Processes Ecological Modeling Ecological Engineering Ecological Indicators Ecological Informatics Ecosystems Ecotoxicology Evolutionary Ecology General Ecology Global Ecology Human Ecology System Ecology The first reference work to cover all aspects of ecology, from basic to applied Over 500 concise, stand-alone articles are written by prominent leaders in the field Article text is supported by full-color photos, drawings, tables, and other visual material Fully indexed and cross referenced with detailed references for further study Writing level is suited to both the expert and non-expert Available electronically on ScienceDirect shortly upon publication **Working Dogs: Form and Function, 2nd Edition** Frontiers Media SA **Essential Animal Behavior** John Wiley & Sons Essential Animal Behavior provides a comprehensive introduction to all areas of the subject: from the genetic and neurobiological control of behavior to the learning, development, and function of behavior in an evolutionary context. Social behaviour is also covered throughout the text. Written in a concise and engaging style, this new book: includes examples from both marine and terrestrial environments around the world places current research alongside classic examples, and puts the study of animal behavior in an applied context, emphasizing the implications for animal welfare and animal conservation. Carefully designed to meet the needs of students coming to the subject for the first time, the book includes the following features: key concept boxes Focus on boxes chapter summaries guided reading to aid revision and further study case studies and boxed examples that reinforce essential points, and questions for discussion. This book is essential reading for degree-level students following modular programs in biology, zoology, marine biology, and psychology. An Instructor manual CD-ROM for this title is available. Please contact our Higher Education team at [HigherEducation@wiley.com](mailto:HigherEducation@wiley.com) for more information. **Physiology and Maintenance - Volume III Renal Excretion, Endocrinology, Respiration, Blood Circulation: Its Dynamics and Physiological Control** EOLSS Publications Physiology and Maintenance is a component of Encyclopedia of Biological, Physiological and Health Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Physiology and Maintenance with contributions from distinguished experts in the field, discusses the functions of our body and their regulations which are some of the most fascinating areas of science. The content of the theme is organized with state-of-the-art presentations covering the following aspects of the subject: General Physiology; Enzymes: The Biological Catalysts of Life; Nutrition and Digestion; Renal Excretion; Endocrinology; Respiration; Blood Circulation: Its Dynamics And Physiological Control; Locomotion in Sedentary Societies; Neurophysiology; Plant Physiology and Environment : A Synopsis, which are then expanded into multiple subtopics, each as a chapter. These five volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs. **American Snakes** JHU Press 125 million years ago on the floodplains of North America, a burrowing lizard started down the long evolutionary path of shedding its limbs. The 60-plus species of snakes found in Sean P. Graham's American Snakes have this ancestral journey to thank for their ubiquity, diversity, and beauty. Although many people fear them, snakes are as much a part of America's rich natural heritage as redwoods, bald eagles, and grizzly bears. Neither a typical field guide nor an exhaustive reference, American Snakes is instead a fascinating study of the suborder Serpentes. Brimming with intriguing and unusual stories- of hognose snakes that roll over and play dead, blindsnakes with tiny vestigial lungs, rainbow-hued dipsadines, and wave-surfing sea-snakes- the text is interspersed with scores of gorgeous full-color images of snakes, from the scary to the sublime. **The Vertebrate Neuromuscular Junction Exploring Zoology: A Laboratory Guide, Third Edition** Morton Publishing Company Exploring Zoology: A Laboratory Guide provides a comprehensive, hands-on introduction to the field of zoology. Knowledge of the principal groups of animals is fundamental to understanding the central issues in biology. This full-color lab manual provides a diverse selection of exercises covering the anatomy, physiology, behavior, and ecology of the major invertebrate and vertebrate lineages. Great care has been taken to provide information in an engaging, student-friendly way. The material has been written to be easily adapted for use with any introductory zoology textbook. **Principles of Thermal Ecology: Temperature, Energy and Life** Oxford University Press Temperature affects everything. It influences all aspects of the physical environment and governs any process that involves a flow of energy, setting boundaries on what an organism can or cannot do. This novel textbook reveals the key principles behind the complex relationship between organisms and temperature, namely the science of thermal ecology. It starts by providing a rigorous framework for understanding the flow of energy in and out of the organism, before describing the influence of temperature on what organisms can do and how fast they can do it. With these fundamental principles covered, the bulk of the book explores thermal ecology itself, incorporating the important extra dimension of interactions with other organisms. An entire chapter is devoted to the crucially important subject of how organisms are responding to climate change. Indeed, the threat of rapid climatic change on a global scale is a stark reminder of the challenges that remain for evolutionary thermal biologists, and adds a sense of urgency to this book's mission. **Animals and Environments Proceedings of the Third International Conference of Comparative Physiology and Biochemistry Held in KwaZulu-Natal, South Africa, Between 7 and 13 August 2004** Elsevier Science Health Science Division This volume collects selected papers from the 3rd ICCPB in Africa: Animals and Environments. A wide and integrated discussion of how animals persist in their normal habitats aims to improve our appreciation of animal interaction with, and response to, environment. In a time of persistent reductionism in biological studies, the collected papers discuss both breadth and depth of adaptive animal biology from more holistic perspectives. The discussion ranges from unicellular organisms to whole animals. Themes include; molecular bases of physiological response to hypoxia and the role of hypoxia inducible factors; adaptive mechanisms of ion homeostasis in crustaceans, signaling and respiration in insects; aspects of metal contamination; extremes of temperature and water availability; foraging, predation, and the acquisition of food; in the light of specific environmental demands. This volume will be of specific interest researchers in the field of adaptive molecular and evolutionary physiology and biochemistry. Biologists interested in how animals respond to their environment - be it with a molecular, physiological or ecological emphasis will find the breath of issues both stimulating and informative. "Animals and Environments" collates works in Comparative and Evolutionary Physiology and Biochemistry - covering a range of subject material and approaches seldom brought together in a single volume. Inclusion in a single volume of molecular, biochemical and physiological material aimed at addressing adaptation to environment Many of the individual works are reviews in their own right and provide an excellent resource. The diversity of approaches and material examining the evolution of adaptive mechanisms. **Animal Physiology The Journal of Animal Breeding Behavioral Neuroscience Essentials and Beyond** SAGE Publications Behavioral Neuroscience: Essentials and Beyond shows students the basics of biological psychology using a modern and research-based perspective. With fresh coverage of applied topics and complex phenomena, including social neuroscience and consciousness, author Stéphane Gaskin delivers the most current research and developments surrounding the brain's functions through student-centered pedagogy. **Handbook of Emotions, Third Edition** Guilford Press Widely regarded as the standard reference in the field, this handbook comprehensively examines all aspects of emotion and its role in human behavior. The editors and contributors are foremost authorities who describe major theories, findings, methods, and applications. The volume addresses the interface of emotional processes with biology, child development, social behavior, personality, cognition, and physical and mental health. Also presented are state-of-the-science perspectives on fear, anger, shame, disgust, positive emotions, sadness, and other distinct emotions. Illustrations include seven color plates. **Life The Science of Biology** Macmillan This is an authoritative introductory text that presents biological concepts through the research that revealed them. "Life" covers the full range of topics with an integrated experimental focus that flows naturally from the narrative. **Animal Personalities Behavior, Physiology, and Evolution** University of Chicago Press Ask anyone who has owned a pet and they'll assure you that, yes, animals have personalities. And science is beginning to agree. Researchers have demonstrated that both domesticated and nondomesticated animals—from invertebrates to monkeys and apes—behave in consistently different ways, meeting the criteria for what many define as personality. But why the differences, and how are personalities shaped by genes and environment? How did they evolve? The essays in *Animal Personalities* reveal that there is much to learn from our furred and feathered friends. The study of animal personality is one of the fastest-growing areas of research in behavioral and evolutionary biology. Here Claudio Carere and Dario Maestriperi, along with a host of scholars from fields as diverse as ecology, genetics, endocrinology, neuroscience, and psychology, provide a comprehensive overview of the current research on animal personality. Grouped into thematic sections, chapters approach the topic with

empirical and theoretical material and show that to fully understand why personality exists, we must consider the evolutionary processes that give rise to personality, the ecological correlates of personality differences, and the physiological mechanisms underlying personality variation. **Freshwater Crayfish A Global Overview** [CRC Press](#) For their great commercial importance as a human food delicacy, crayfish are now becoming of wider interest to molecular biologists, and also to conservationists due to the fact that in some countries many of the native crayfish species are under threat from human activity, disease, and competition from other introduced crayfish species. Helmed by three editors in Japan, Europe, and the US, this book invites contributions from experts around the globe, covering the conservation status and biology of all endangered species, taxonomy, and distribution of crayfishes worldwide. **Brute Science Dilemmas of Animal Experimentation** [Psychology Press](#) Animal experimentation is one of the most controversial areas of debate on animal rights, and biomedical research is at the hard edge of this debate. In *Brute Science*, the authors investigate whether biomedical research is scientifically justified. **Life: The Science of Biology: Volume II Evolution, Diversity, and Ecology** [Macmillan](#) This is an authoritative introductory text that presents biological concepts through the research that revealed them. "Life" covers the full range of topics with an integrated experimental focus that flows naturally from the narrative.