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Introduces the world of Roshar through
the experiences of a war-weary royal

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compelled by visions, a highborn youth condemned to military slavery, and a woman who is desperate to save her impoverished house.

Haraway's discussions of how scientists have perceived the sexual nature of female primates opens a new

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chapter in feminist theory, raising unsettling questions about models of the family and of heterosexuality in primate research.

Forensic Odontology: Principles and Practice details the aspects necessary to become an accomplished forensic

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odontologist, including an illustration of the skills necessary to become an expert witness. The book is ideal for both the experienced and novice forensic odontologist, covering many fields of expertise, including civil and criminal matters. The civil side

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involves standard of care and personal injury matters, while the criminal side involves not only dental identification, but management of mass fatality incidents, age assessment, child and elder abuse, and bitemark analysis. Provides a comprehensive review of

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forensic odontology, including the skills necessary to become a competent expert witness Covers the fields of forensic odontology, the basic skills, legal aspects, legal precedents, report writing and expert witness testimony Includes numerous illustrations,

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including charts and graphs, along with B&W and color images

Social Science at the Crossroads brings questions of the future of the university, of democracy, of social science and religion to the front and offers analyses that point toward an

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overview of urgent problems in the
current debate in social science.

Evolutionary Analysis

Exploring Life

Biology

Primate Visions

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California Edition

**Charles Robert Darwin
(12 February 1809 - 19
April 1882) was an
English naturalist who
established that all
species of life have**

**descended over time from
a common ancestry, and
proposed the scientific
theory that this
branching pattern of
evolution resulted from a
process that he called**

natural selection. He published his theory with compelling evidence for evolution in his 1859 book *On the Origin of Species*, overcoming scientific rejection of

**earlier concepts of
transmutation of species.
This book provides the
most comprehensive
treatment to date of
microeconomics, the
analysis of individual-**

**level data on the
economic behavior of
individuals or firms using
regression methods for
cross section and panel
data. The book is oriented
to the practitioner. A**

basic understanding of the linear regression model with matrix algebra is assumed. The text can be used for a microeconometrics course, typically a second-

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**year economics PhD
course; for data-oriented
applied
microeconometrics field
courses; and as a
reference work for
graduate students and**

applied researchers who wish to fill in gaps in their toolkit.

Distinguishing features of the book include emphasis on nonlinear models and robust

inference, simulation-based estimation, and problems of complex survey data. The book makes frequent use of numerical examples based on generated data

to illustrate the key models and methods. More substantially, it systematically integrates into the text empirical illustrations based on seven large and

exceptionally rich data sets.

This unprecedented collection of 27,000 quotations is the most comprehensive and carefully researched of its

**kind, covering all fields of
science and mathematics.
With this vast
compendium you can
readily conceptualize and
embrace the written
images of scientists,**

**laymen, politicians,
novelists, playwrights,
and poets about
humankind's scientific
achievements.
Approximately 9000 high-
quality entries have been**

**added to this new edition
to provide a rich selection
of quotations for the
student, the educator,
and the scientist who
would like to introduce a
presentation with a**

relevant quotation that provides perspective and historical background on his subject. Gaither's Dictionary of Scientific Quotations, Second Edition, provides the

**finest reference source of
science quotations for all
audiences. The new
edition adds greater
depth to the number of
quotations in the various
thematic arrangements**

and also provides new thematic categories. Effective risk communication is essential to the well-being of any organization and those people who

depend on it. Ineffective communication can cost lives, money and reputations.

Communicating Risks and Benefits: An Evidence-Based User's Guide

provides the scientific foundations for effective communications. The book authoritatively summarizes the relevant research, draws out its implications for

**communication design,
and provides practical
ways to evaluate and
improve communications
for any decision involving
risks and benefits. Topics
include the**

**communication of
quantitative information
and warnings, the roles of
emotion and the news
media, the effects of age
and literacy, and tests of
how well communications**

meet the organization's goals. The guide will help users in any organization, with any budget, to make the science of their communications as sound as the science that they

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are communicating.

Sourcebook

**Gender, Race, and Nature
in the World of Modern
Science**

Born a Crime

Principles and Practice

**The Way of Kings
Stories from a South
African Childhood**

Essential Microbiology is a comprehensive introductory text aimed at students taking a first course in the subject.

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Covering all aspects of microbiology, it describes the structure and function of microbes before considering their place in the the living world. The second half of the book focuses on applied aspects

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such as genetic engineering,
industrial microbiology and the
control of microorganisms.
Adopting a modern approach
and with extensive use of clear
comprehensive diagrams,
Essential Microbiology explains

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key topics through the use of definition boxes and end of chapter questions. This book is invaluable for undergraduate students in the biological, food and health sciences taking a first course in Microbiology.

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comprehensive introduction covering all aspects of this exciting subject. includes numerous examples and applications from a wide range of fields. definition boxes, key points and self-test questions

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enhance student understanding. Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate

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resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish

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enforceable standards, and promote best practices with consistent application.

Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs

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and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and

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regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening

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Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread

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adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as

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a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Wide-ranging and inclusive, this text provides an invaluable review of an expansive

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selection of topics in human evolution, variation and adaptability for professionals and students in biological anthropology, evolutionary biology, medical sciences and psychology. The chapters are

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organized around four broad themes, with sections devoted to phenotypic and genetic variation within and between human populations, reproductive physiology and behavior, growth and development, and human

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health from evolutionary and ecological perspectives. An introductory section provides readers with the historical, theoretical and methodological foundations needed to understand the more complex

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ideas presented later. Two hundred discussion questions provide starting points for class debate and assignments to test student understanding.

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Biology Prentice Hall
Glencoe Biology, Student
Edition
Handbook on Clostridia
A Path Forward
Biology for AP ® Courses
Communicating Risks and

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Benefits

An Introduction

#1 NEW YORK TIMES

**BESTSELLER • More than one
million copies sold! A “brilliant”
(Lupita Nyong’o, Time),
“poignant” (Entertainment**

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Weekly), “soul-nourishing” (USA Today) memoir about coming of age during the twilight of apartheid “Noah’s childhood stories are told with all the hilarity and intellect that characterizes his comedy, while

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illuminating a dark and brutal period in South Africa's history that must never be forgotten.”—Esquire Winner of the Thurber Prize for American Humor and an NAACP Image Award • Named one of the best

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**books of the year by The New
York Time, USA Today, San
Francisco Chronicle, NPR,
Esquire, Newsday, and Booklist
Trevor Noah's unlikely path from
apartheid South Africa to the
desk of The Daily Show began**

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with a criminal act: his birth.

Trevor was born to a white Swiss father and a black Xhosa mother at a time when such a union was punishable by five years in prison. Living proof of his parents' indiscretion, Trevor was

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kept mostly indoors for the earliest years of his life, bound by the extreme and often absurd measures his mother took to hide him from a government that could, at any moment, steal him away. Finally liberated by the end

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of South Africa's tyrannical white rule, Trevor and his mother set forth on a grand adventure, living openly and freely and embracing the opportunities won by a centuries-long struggle. Born a Crime is the story of a

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mischievous young boy who grows into a restless young man as he struggles to find himself in a world where he was never supposed to exist. It is also the story of that young man's relationship with his fearless,

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rebellious, and fervently religious mother—his teammate, a woman determined to save her son from the cycle of poverty, violence, and abuse that would ultimately threaten her own life. The stories collected here are by

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turns hilarious, dramatic, and deeply affecting. Whether subsisting on caterpillars for dinner during hard times, being thrown from a moving car during an attempted kidnapping, or just trying to survive the life-and-

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death pitfalls of dating in high school, Trevor illuminates his curious world with an incisive wit and unflinching honesty. His stories weave together to form a moving and searingly funny portrait of a boy making his way

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through a damaged world in a dangerous time, armed only with a keen sense of humor and a mother's unconventional, unconditional love.

This volume considers the evolution and diversification of

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early unicellular life.

Clostridia is one of the largest bacterial genera with an enormous potential for biotechnical and medical applications. Despite growing scientific, medical, and industrial

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**interest, information on basic methods, biochemical fundamentals, clinical practice, industrial applications, and novel developments remains scattered in a variety of research ar
A full-color guide to the entire**

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**field of clinical endocrinology
and its scientific underpinnings –
updated with the latest
breakthroughs and
developments Greenspan's
Basic & Clinical Endocrinology
delivers a succinct, leading-edge**

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**overview of the underlying
molecular biology of the
endocrine system and the latest
perspectives on the diagnosis
and treatment of specific
diseases and disorders.
Featuring an enhanced design**

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that includes hundreds of full-color illustrations and clinical photographs, Greenspan's is a true must-have during traditional or integrated courses in endocrinology, endocrinology rotation, or exam prep in internal

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**medicine and endocrinology and
as reference for disease
management. Greenspan's
provides clinically relevant
coverage of metabolic bone
disease, pancreatic hormones
and diabetes mellitus,**

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hypoglycemia, obesity, geriatric endocrinology, and many other diseases and disorders.

Supporting this essential material is a handy appendix of normal hormone reference ranges across the lifespan.

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Here's why Greenspan's is an essential tool for learning how to manage endocrine patients: • The Tenth Edition is enhanced by updated content throughout each chapter • NEW CHAPTERS on Transgender Endocrinology

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**and Disorders of Sexual
Determination and Differentiation**
• Important chapter on Evidence-
Based Endocrinology and
Clinical Epidemiology • Concise,
balanced coverage of both
scientific and clinical principles

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**that guide patient management •
The best source for current
concepts in endocrine
pathophysiology to aid clinical
decision making • The most
practical, current insights into
diagnostic testing • More than**

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270 full-color illustrations and clinical photographs If you are in need of a well-illustrated, completely up-to-date guide to the entire field of clinical endocrinology, this trusted classic belongs on your desk or

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computer.

**Prentice Hall Science Explorer
Deep-Sea Biology
The Galapagos Islands
Methods and Applications
Human Evolutionary Biology
The Galapagos**

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Following the much acclaimed success of the first volume of *Key Topics in Conservation Biology*, this entirely new second volume addresses an innovative array of key topics in contemporary conservation biology.

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Written by an internationally renowned team of authors, Key Topics in Conservation Biology 2 adds to the still topical foundations laid in the first volume (published in 2007) by exploring a further 25 cutting-edge issues in modern

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biodiversity conservation, including controversial subjects such as setting conservation priorities, balancing the focus on species and ecosystems, and financial mechanisms to value biodiversity and pay for its conservation. Other

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chapters, setting the framework for conservation, address the sociology and philosophy of peoples' relation with Nature and its impact on health, and such challenging practical issues as wildlife trade and conflict between people and

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carnivores. As a new development, this second volume of Key Topics includes chapters on major ecosystems, such as forests, islands and both fresh and marine waters, along with case studies of the conservation of major taxa:

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plants, butterflies, birds and mammals. A further selection of topics consider how to safeguard the future through monitoring, reserve planning, corridors and connectivity, together with approaches to reintroduction and re-

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wilding, along with managing
wildlifedisease. A final chapter, by
the editors, synthesises thinking
onthe relationship between
biodiversity conservation and
humandevlopment. Each topic is
explored by a team of top

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international experts, assembled to bring their own cross-cutting knowledge to a penetrating synthesis of the issues from both theoretical and practical perspectives. The interdisciplinary nature of biodiversity conservation

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is reflected throughout the book. Each essay examines the fundamental principles of the topic, the methodologies involved and, crucially, the human dimension. In this way, Key Topics in Conservation Biology 2, like its

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sister volume, *Key Topics in Conservation Biology*, embraces issues from cutting-edge ecological science to policy, environmental economics, governance, ethics, and the practical issues of implementation. *Key Topics in*

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Conservation Biology 2 will, like its sister volume, be a valuable resource in universities and colleges, government departments, and conservation agencies. It is aimed particularly at senior undergraduate and graduate

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students in conservation biology and wildlife management and wider ecological and environmental subjects, and those taking Masters degrees in any field relevant to conservation and the environment. Conservation practitioners, policy-

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makers, and the wider general public eager to understand more about important environmental issues will also find this book invaluable.

The significantly expanded and updated new edition of a widely

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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

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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

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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

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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

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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

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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

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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

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impacts of reinforcement learning. Decades of research have demonstrated that the parent-child dyad and the environment of the familyâ€"which includes all primary caregiversâ€"are at the foundation of children's well-being

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and healthy development. From birth, children are learning and rely on parents and the other caregivers in their lives to protect and care for them. The impact of parents may never be greater than during the earliest years of life,

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when a child's brain is rapidly developing and when nearly all of her or his experiences are created and shaped by parents and the family environment. Parents help children build and refine their knowledge and skills, charting a

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trajectory for their health and well-being during childhood and beyond. The experience of parenting also impacts parents themselves. For instance, parenting can enrich and give focus to parents' lives; generate stress or

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calm; and create any number of emotions, including feelings of happiness, sadness, fulfillment, and anger. Parenting of young children today takes place in the context of significant ongoing developments. These include: a rapidly growing

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body of science on early childhood, increases in funding for programs and services for families, changing demographics of the U.S. population, and greater diversity of family structure. Additionally, parenting is increasingly being

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shaped by technology and increased access to information about parenting. Parenting Matters identifies parenting knowledge, attitudes, and practices associated with positive developmental outcomes in children ages 0-8;

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universal/preventive and targeted strategies used in a variety of settings that have been effective with parents of young children and that support the identified knowledge, attitudes, and practices; and barriers to and facilitators for

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parents' use of practices that lead to healthy child outcomes as well as their participation in effective programs and services. This report makes recommendations directed at an array of stakeholders, for promoting the wide-scale adoption

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of effective programs and services for parents and on areas that warrant further research to inform policy and practice. It is meant to serve as a roadmap for the future of parenting policy, research, and practice in the United States.

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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

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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

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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.

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Elements of Marine Ecology

Social Science at the Crossroads

The Fingerprint

An Introductory Course

The World Book Encyclopedia

Gaither's Dictionary of Scientific

Quotations

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important concepts. Students explore concepts through engaging narrative, frequent use of analogies, familiar examples, and clear and instructional graphics. Now, with Success Tracker(tm) online, teachers can choose from a variety of

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every learning level. With unparalleled reading support, resources to reach every student, and a proven research-based approach, authors Kenneth Miller and Joseph Levine continue to set the standard. Prentice Hall Biology delivers: Clear,

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***accessible writing Up-to-date
content A student friendly
approach A powerful framework
for connecting key concepts
Physics in Biology and Medicine,
Fourth Edition, covers topics in
physics as they apply to the life
sciences, specifically medicine,***

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physiology, nursing and other applied health fields. This is a concise introductory paperback that provides practical techniques for applying knowledge of physics to the study of living systems and presents material in a

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straightforward manner requiring very little background in physics or biology. Applicable courses are Biophysics and Applied Physics. This new edition discusses biological systems that can be analyzed quantitatively, and how advances in the life

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sciences have been aided by the knowledge of physical or engineering analysis techniques. The volume is organized into 18 chapters encompassing thermodynamics, electricity, optics, sound, solid mechanics, fluid mechanics, and atomic and

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nuclear physics. Each chapter provides a brief review of the background physics before focusing on the applications of physics to biology and medicine. Topics range from the role of diffusion in the functioning of cells to the effect of surface

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tension on the growth of plants in soil and the conduction of impulses along the nervous system. Each section contains problems that explore and expand some of the concepts. The text includes many figures, examples and illustrative

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problems and appendices which provide convenient access to the most important concepts of mechanics, electricity, and optics in the body. Physics in Biology and Medicine will be a valuable resource for students and professors of physics, biology,

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and medicine, as well as for applied health workers. Provides practical techniques for applying knowledge of physics to the study of living systems Presents material in a straight forward manner requiring very little background in physics or biology

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***Includes many figures, examples and illustrative problems and appendices which provide convenient access to the most important concepts of mechanics, electricity, and optics in the body
The widening interest in marine biology has led to the***

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establishment of an increasing number of school and undergraduate courses in the subject. There are many books on various aspects of marine biology which students can read with advantage, but few that are suitable as introductory reading

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at the commencement of studies. This book has been compiled primarily as an aid for zoology students at the start of a special course on marine biology. The text is an introduction to the author's annual course for undergraduates. The aim has

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been a concise presentation of information and ideas over the general field of marine ecology, with guidance on the selection of more advanced reading. The sources of further information given at the end of each chapter have been chosen as far as

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possible from books and journals to which students should have reasonably easy access. These lists provide a selection of additional reading which starts at an elementary level and becomes more advanced as the course proceeds. Students

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entering the author's course are usually in their third undergraduate year, and a general knowledge of the phyla is therefore assumed.

***Handbook of Psychobiology
Reinforcement Learning, second
edition***

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***Supporting Parents of Children
Ages 0-8***

The Biology of Religious Behavior

Evolution of Microbial Life

Darwins Journal

An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.

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The idea of The Fingerprint Sourcebook originated during a meeting in April 2002. Individuals representing the fingerprint, academic, and scientific communities met in Chicago, Illinois, for a day and a half to discuss the state of fingerprint identification with a view toward the challenges raised by Daubert issues. The

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meeting was a joint project between the International Association for Identification (IAI) and West Virginia University (WVU). One recommendation that came out of that meeting was a suggestion to create a sourcebook for friction ridge examiners, that is, a single source of researched information regarding the

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subject. This sourcebook would provide educational, training, and research information for the international scientific community.

Handbook of Psychobiology presents an integrative overview of psychobiology and covers topics ranging from pathways in the central nervous system to principles of

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neuronal development; chemical pathways in the brain; the role of neurotransmitters in the regulation of behavior; and the biological basis of memory. Vertebrate sensory and motor systems are also discussed, along with the psychobiology of attention and neurological aspects of learning. This handbook consists of 21

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chapters divided into four sections and opens with an introduction to neural mechanisms underlying the behavior of invertebrates, followed by a comparison of the visual behavior of humans and arthropods. The next sections explore the chemistry of behavior, the sensory and motor systems of vertebrates, and

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integration and regulation in the brain. Visual perception and visual coding, central auditory processing, and auditory localization are considered, together with motor coordination, neurophysiological aspects of dreaming, cognition, and language. The final chapter is devoted to some of the philosophical issues

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surrounding perception. This monograph will be of value to psychologists, biologists, physiologists, and others in fields ranging from biochemistry and linguistics to invertebrate neurophysiology and perceptual phenomenology. Recognition that aging is not the accumulation of disease, but rather

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comprises fundamental biological processes that are amenable to experimental study, is the basis for the recent growth of experimental biogerontology. As increasingly sophisticated studies provide greater understanding of what occurs in the aging brain and how these changes occur

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environment--perhaps the most remote and least accessible location on the planet. The authors begin by describing the physical and chemical nature of the deep-sea floor and the methods used to collect and

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study its fauna. Then they discuss the ecology of the deep sea by exploring spatial patterns, diversity, biomass, vertical zonation, and large-scale distribution of organisms. Subsequent chapters review

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current knowledge of feeding, respiration, reproduction, and growth processes in these communities. The unique fauna of hypothermal vents and seeps are considered separately. Finally, there is a pertinent

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discussion of human exploitation of deep-sea resources and potential use of this environment for waste disposal.

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