

By Scott Freeman Biological Science 4th Edition

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Perfect for a single term on Molecular Biology and more accessible to beginning students in the field than its encyclopedic counterparts, Fundamental Molecular Biology provides a distillation of the essential concepts of molecular biology, and is supported by current examples, experimental evidence, an outstanding art program, multimedia support and a solid pedagogical

framework. The text has been praised both for its balanced and solid coverage of traditional topics, and for its broad coverage of RNA structure and function, epigenetics and medical molecular biology.

Written by the pioneering scientist, theorist and activist J. D. Bernal, this futuristic essay explores the radical changes to human bodies and intelligence that science may bring about, and suggests the impact of these developments on society. Bernal presents a far-reaching vision of the future that encompasses space research and colonization, material sciences, genetic engineering, and the technological hive mind. In his view, it will be possible for the conditions of civilization to reach a state of materialist utopia. For all three realms—the world, the flesh, and the devil—Bernal attempted to map out the utmost limit of technoscientific progress, and found that there are almost no limits. With a new introduction by McKenzie Wark.

The book explains the subject of modern DNA profiling in straightforward language, and is aimed at readers with little background in science or biotechnology. A valuable resource for people needing to be informed about the methods, uses, and shortcomings of DNA profiling, it introduces basic concepts of genetics and biotechnology in the context of one of the most important developments in modern criminal investigation. This book raises controversial questions about the uses and potential misuses of DNA forensics; and illustrates issues by presenting recent criminal cases involving DNA profiling. A useful reference for law offices, legal clinics, law enforcement, defense lawyers, prosecutors, judges and the media, as it provides basic explanations of the science of, and issues surrounding, DNA forensics.

For courses in general biology for majors. Biological Science is a dynamic reference that involves students in the process of scientific discovery. Infused with the spirit of inquiry, Biological Science teaches students to think like biologists and prepares them for success in their upper division courses.

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Biological Science Benjamin-Cummings Publishing Company

This edition features the exact same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value for your students—this format costs 35% less than a new textbook. Supports and motivates you as you learn to think scientifically and use the skills of a biologist. Scott Freeman's Biological Science is beloved for its Socratic narrative style, its emphasis on experimental evidence, and its dedication to active learning. In the Fifth Edition, the author team has expanded to include new members—bringing a fresh focus on accuracy and currency, and multiplying the dedication to active learning by six. Research indicates that true mastery of content requires a move away from memorization towards active engagement with the material in a focused, personal way. Biological Science is the first introductory biology text designed to equip you with a strategy to accurately assess your level of understanding, predict your performance, and identify the types of cognitive skills that need improvement. Package Components: Books a la Carte for Biological Science, Fifth Edition

The Study Guide presents a breakdown of key biological concepts, difficult topics, and quizzes to help students prepare for exams. Unique to this study guide are four introductory, stand-alone chapters that introduce students to foundational ideas and skills necessary for classroom success: Introduction to Experimentation and Research in the Biological Sciences, Presenting Biological Data, Understanding Patterns in Biology and Improving Study Techniques, and Reading and Writing to Understand Biology. New to this edition of the Study Guide are “Looking Forward” and “Looking Back” sections that help students make connections across the chapters instead of viewing them as discrete entities.

When the Freeman family decided to transform a drainage ditch into a stream that could again nurture salmon, they knew the task would be formidable but the rewards plentiful. Saving Tarboo Creek artfully blends the story of the family's efforts with profound lessons about how we can live more constructive, fulfilling, and natural lives by engaging with the land rather than exploiting it. Based on the land ethic passionately promoted by Susan Leopold Freeman's grandfather, Aldo Leopold, in his influential book A Sand County Almanac, this timely tribute to our natural environment and the urgent need to protect it is destined to be another inspiring classic.

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For the past several years the Division of Applied Mathematics at Brown University has been teaching an extremely popular sophomore level differential equations course. The immense success of this course is due primarily to two factors. First, and foremost, the material is presented in a manner which is rigorous enough for our mathematics and applied mathematics majors, but yet intuitive and practical enough for our engineering, biology, economics, physics and geology majors. Secondly, numerous case histories are given of how researchers have used differential equations to solve real life problems. This book is the outgrowth of this course. It is a rigorous treatment of differential equations and their applications, and can be understood by anyone who has had a two semester course in Calculus. It contains all the material usually covered in a one or two semester course in differential equations. In addition, it possesses the following unique features which distinguish it from other textbooks on differential equations.

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Cambridge Low Price Editions are reprints of internationally respected books from Cambridge University Press. The text has been completely revised and updated to provide comprehensive coverage of all the major biology syllabuses at Advanced level. It is also suitable for first-year students in higher education. It contains: clearly written up-to-date information appropriate to the new Advanced level biology syllabuses, new material covering microbiology and biotechnology, the applications of genetics, and human health and disease, a variety of questions throughout the text, carefully selected and clearly presented practical investigations in many of the units, appendices providing basic information and techniques relating to the relevant areas of the physical sciences and mathematics (e.g. biological chemistry and statistics)

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