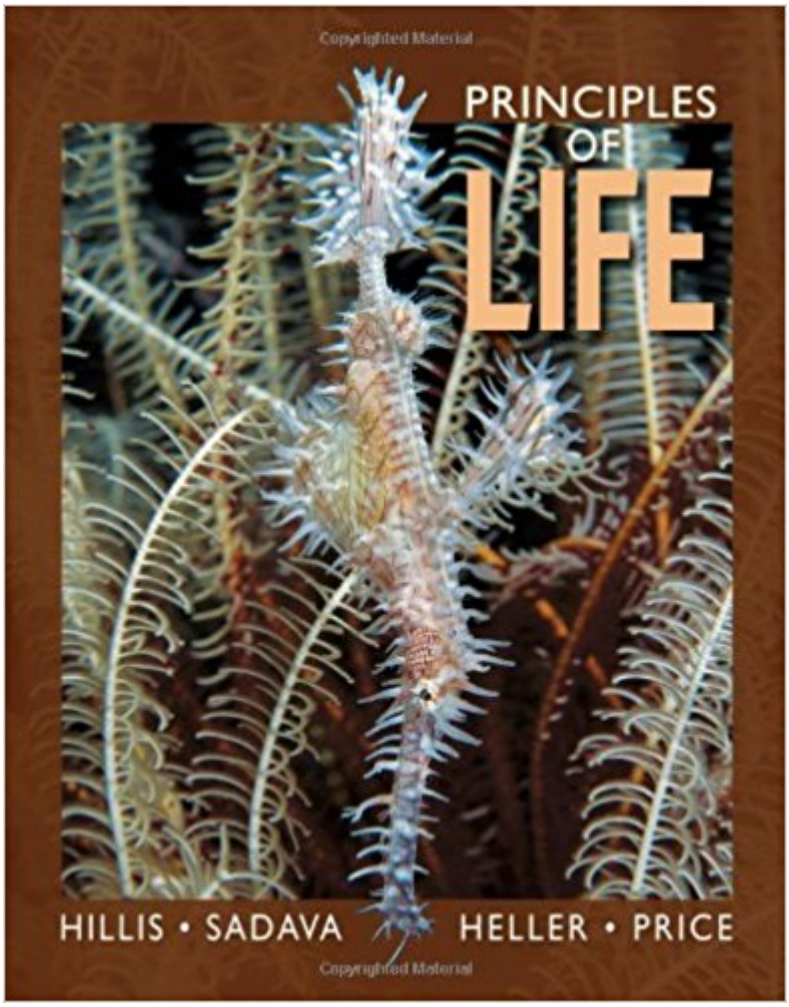
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Principles Of Life



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Synopsis

For sample chapters, a video interview with David Hillis, and more information, visit www.whfreeman.com/hillispreview. Sinauer Associates and W.H. Freeman are proud to introduce Principles of Life. Written in the spirit of the reform movement that is reinvigorating the introductory majors course, Principles of Life cuts through the thicket of excessive detail and factual minutiae to focus on what matters most in the study of biology today. Students explore the most essential biological ideas and information in the context of the fieldÃ¢â ¬â„¢s defining experiments, and are actively engaged in analyzing research data. The result is a textbook that is hundreds of pages shorter (and significantly less expensive) than the current majors introductory books.

Book Information

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Customer Reviews

David M. Hillis is the Alfred W. Roark Centennial Professor in Integrative Biology and the Director of the Center for Computational Biology and Bioinformatics at the University of Texas at Austin, where he also has directed the School of Biological Sciences. Dr. Hillis has taught courses in introductory biology, genetics, evolution, systematics, and biodiversity. He has been elected to the National Academy of Sciences and the American Academy of Arts and Sciences, awarded a John D. and Catherine T. MacArthur Fellowship, and has served as President of the Society for the Study of Evolution and of the Society of Systematic Biologists. He served on the National Research Council committee that wrote the report BIO 2010: Transforming Undergraduate Biology Education for Research Biologists. His research interests span much of evolutionary biology, including

experimental studies of evolving viruses, empirical studies of natural molecular evolution, applications of phylogenetics, analyses of biodiversity, and evolutionary modeling. He is particularly interested in teaching and research about the practical applications of evolutionary biology.David E. Sadava is the Pritzker Family Foundation Professor of Biology, Emeritus, at the Keck Science Center of Claremont McKenna, Pitzer, and Scripps, three of The Claremont Colleges. In addition, he is Adjunct Professor of Cancer Cell Biology at the City of Hope Medical Center. Twice winner of the Huntoon Award for superior teaching, Dr. Sadava has taught courses on introductory biology, biotechnology, biochemistry, cell biology, molecular biology, plant biology, and cancer biology. In addition to Life: The Science of Biology, he is the author or coauthor of books on cell biology and on plants, genes, and crop biotechnology. His research has resulted in many papers coauthored with his students, on topics ranging from plant biochemistry to pharmacology of narcotic analgesics to human genetic diseases. For the past 15 years, he has investigated multi-drug resistance in human small-cell lung carcinoma cells with a view to understanding and overcoming this clinical challenge. At the City of Hope, his current work focuses on new anti-cancer agents from plants.H. Craig Heller is the Lorry I. Lokey/Business Wire Professor in Biological Sciences and Human Biology at Stanford University. He earned his Ph.D. from the Department of Biology at Yale University in 1970. Dr. Heller has taught in the core biology courses at Stanford since 1972 and served as Director of the Program in Human Biology, Chairman of the Biological Sciences Department, and Associate Dean of Research. Dr. Heller is a fellow of the American Association for the Advancement of Science and a recipient of the Walter J. Gores Award for excellence in teaching. His research is on the neurobiology of sleep and circadian rhythms, mammalian hibernation, the regulation of body temperature, the physiology of human performance, and the neurobiology of learning. Dr. Heller has done research on a huge variety of animals and physiological problems ranging from sleeping kangaroo rats, diving seals, hibernating bears, photoperiodic hamsters, and exercising athletes. Dr. Heller has extended his enthusiasm for promoting active learning through the development of a two-year curriculum in human biology for the middle grades, and at the college level he directed the production of Virtual labsÃƒÂ¢$e"interactive computer-based modules to teach physiology.Mary V. Price is Professor of Biology, Emerita, at the University of California Riverside and Adjunct Professor in the School of Natural Resources and the Environment at the University of Arizona. In "retirement," she continues to teach and study, having learned the joy and art of scientific discovery as an undergraduate student at Vassar College and doctoral student at the University of Arizona. Dr. Price has mentored and published with independent-research students and has developed and taught general biology and ecology courses from introductory (majors and nonmajors) to graduate

levels. She has particularly enjoyed leading field classes in the arid regions of North America and Australia, and the tropical forests of Central America, Africa, and Madagascar. Dr. Price's research focuses on understanding the ecology of North American deserts and mountains. She has asked why so many desert rodents can coexist, how best to conserve endangered kangaroo rat species, how pollinators and herbivores influence floral evolution and plant population dynamics, and how climate change affects ecological systems. --This text refers to an out of print or unavailable edition of this title.

This is a disciplined text and covers bio with a passion. The book is easy enough to read that it could serve anyone wishing to expand their understanding of living systems. But . . . . it is waaaay too much for a single course at the high school AP Bio level course unless you are passionate about the subject. Each chapter takes two weeks to fully absorb, considering the labs that should go with it. Instructors may not take the time to fully cover each chapter, and will end up skimming. Think I am wrong? Count the chapters, check the calendar, tell me how to do it. My kid is first in his class and this text is kicking his bottom as a senior and I think that is why it got 4 stars. I recommend it for summer reading for bio students, but too much here for high school.

I purchased an expensive copy of this book thinking that it would include the Bioportal access code ($75 to purchase online without the text)....nope! The new, $100 book did not contain Bioportal and when I contacted the publisher they said not all the books include the access code (so why are they so expensive please??). It would be really great if the sellers would list if it comes included with the book, hint hint. In any case, just be careful of your purchase. and the book publishing company were extremely nice and helpful and I sorted it out, but still a hassle when classes are starting.

I did not use the textbook much to study and it was a bit too heavy to carry around but otherwise it was ok for my class

Great condition

I bought this book because it is advertised to come with Launchpad. I received the book in the mail but no code for Launchpad. Save your money and time and just rent the textbook and buy the code separate from the publisher, or get the actual bundle from a different site.

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Be careful of the dates. I paid almost $70 to rent this for my Biology class and thought it was for the semester and it expired on me in October, 2 months in. What a ripoff.

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