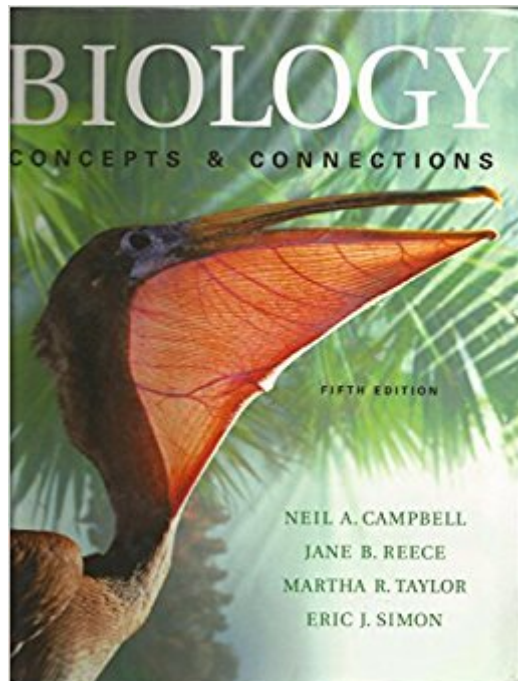




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# Biology: Concepts & Connections



## Synopsis

Biology: Concepts and Connections takes an ecology to atoms approach. Through a solid grounding in real science, authors emphasize connecting basic major biological concepts. They show how concepts are linked and how they apply to related scientific areas and the real world. Features include a new standard of art and text integration; innovative "learning units"; accurate, visually exciting, art and photo program; engaging writing style that brings the story of biology to life; reinforcement of concepts with "Applications" and "Talking about Science" units; Teaching approach that forces visual learners to read and makes verbal learners look at the text; shorter text (850 total pages, 750 text pages). --This text refers to an alternate Hardcover edition.

## Book Information

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## Customer Reviews

Created to spark readers' sense of wonder about life in its many forms, Biology: Concepts and Connections invites readers into the world of biology. While encouraging readers to explore interactive media activities, the book facilitates mastery of concepts and core biological material through unique modules that combine exceptional art, text that "walks" readers through the illustrations, and compelling real-world connections. These modules help readers break down the reading into manageable sections. Special modules cover interesting topics like health, economics, and the environment to show readers how biology is relevant to them. For anyone interested in introductory biology. --This text refers to an alternate Hardcover edition.

Neil A. Campbell has taught general biology for 30 years, and with Dr. Reece, has coauthored

Biology, Sixth Edition, the most widely used text for biology majors. His enthusiasm for sharing the fun of science with students stems from his own undergraduate experience. He began at Long Beach State College as a history major, but switched to zoology after general education requirements "forced" him to take a science course. Following a B.S. from Long Beach, he earned an M.A. in Zoology from UCLA and a Ph.D. in Plant Biology from the University of California, Riverside. He has published numerous articles on how certain desert plants thrive in salty soil and how sensitive plant (Mimosa) and other legumes move their leaves. His diverse teaching experiences include courses for non-biology majors at Cornell University, Pomona College, and San Bernardino Valley College, where he received the first Outstanding Professor Award in the Department of Botany and Plant Sciences at UC Riverside, which recognized him as the university's Distinguished Alumnus for 2001. In addition to Biology, Sixth Edition, he is coauthor of Essential Biology.

Jane B. Reece has worked in biology publishing since 1978, when she joined the editorial staff of Benjamin Cummings. Her education includes an A.B. in Biology from Harvard University, an M.S. in Microbiology from Rutgers University, and a Ph.D. in Bacteriology from the University of California, Berkeley. At UC Berkeley and later as a post-doctoral fellow in genetics at Stanford University, her research focused on genetic recombination in bacteria. Dr. Reece taught biology at Middlesex County College (New Jersey) and Queensborough Community College (New York). During her 12 years as an editor at Benjamin Cummings, she played major roles in a number of successful textbooks. Subsequently, she was a coauthor of The World of the Cell, Third Edition, with W. M. Becker and M. F. Poenie. With Dr. Campbell, she coauthors Biology, Sixth Edition, and Essential Biology.

Lawrence G. Mitchell has 21 years of experience teaching a broad range of life science courses at both undergraduate and graduate levels. He holds a B.S. degree in Zoology from Pennsylvania State University and a Ph.D. in Zoology and Microbiology from the University of Montana. Following postdoctoral research with the National Institute of Allergy and Infectious Diseases, Dr. Mitchell joined the biology faculty at Iowa State University in 1971. He received the Outstanding Teacher Award at Iowa State in 1982. In addition to numerous research publications in aquatic parasitology, Dr. Mitchell has coauthored the textbook Zoology, two laboratory manuals, and a study guide for introductory biology. He has also developed television courses in general biology and has written, produced, and narrated programs on wildlife biology for public television. Dr. Mitchell is a full-time writer.

Martha R. Taylor has been teaching biology for more than 20 years. She earned her B.A. in Biology from Gettysburg College and her M.S. and Ph.D. in Science Education from Cornell University. She was Assistant Director of the Office of Instructional Support at Cornell for seven years. She has taught introductory biology for both majors and non-majors at Cornell

University for many years and is currently a visiting lecturer in Cornell's introductory biology laboratory course. Based on her experiences working with students from high school and community college through university, in both classrooms and tutorials, Dr. Taylor is committed to helping students create their own knowledge of and appreciation for biology. She has been the author of the Student Study Guide for all six editions of Biology by Drs. Campbell and Reece. --This text refers to an alternate Hardcover edition.

BIOLOGY Concepts and Connections, by Campbell, Reece, Taylor, Simon and Dickey is a very well written college text book on the study of life on earth. The book is well illustrated with hundreds of diagrams, charts and photos which make the text easier to understand. All classes of biologic life are discussed in detail and I especially liked the chapters on Evolution and human Evolution which are sometimes glossed over in works by other authors. The study of life on earth covers a vast range in subject matter, thus having a multitude of authors ensures expertise over a broader range of subjects. This, the 6th edition 2009 is new enough for all but the most serious studies. It is vastly superior to the college biology texts that I used when in college in the 1950s. It can also be obtained for only a fraction of the cost of newer editions. Whether a student or anyone else interested in the nature of life on earth, this book will provide a wealth of knowledge and understanding.

Great book! Bought it used from Warehouse Deals and was a little worried at what quality I would get since it said "Acceptable" condition. None the less, the book I received is brand new! It was actually still wrapped in foil when I got it. I looked through it and it seems no one has ever used it, the pages are blank and look unused. I already pretty much knew I wouldn't receive a MasteringBiology access code and was planning on buying one (no biggie), but as I was flipping through the book I found an unopened one! It was completely sealed and the code still covered up (you have to scratch the area in order to see your code). I haven't used it yet since I bought the book for the upcoming fall semester but I will sure do so once it starts. I couldn't be more happy with my decision to buy used. I received a brand new \$200+ textbook (at my college bookstore) for under \$70!

You're probably just assigned to get this book and don't really care about the review, but it is a good textbook, one of the very few that I actually read in college. It's probably worth the investment just in case you get a crummy professor and need to learn the material on your own. There is a 10th edition of this book, but the information is practically the exact same so if you have a choice, go with

the cheaper option. This is a length book and the binding can be fragile so just be careful to not put it under too much physical strain.

Second time sent without access card... Would not bother. This one you should by new.

I bought the loose leaf version. Glad I did. Textbook is 1250+ pages, so VERY HEAVY! With loose-leaf, I can carry around just what I need to focus on for study, and not break my back with the burden of the hardback book! Also, I bought the USED 10th edition (1 prior to the class preferred text) so I saved over \$250! Whatever is new in the 11th edition, I can find online or substitute some other way....

As far as textbooks go, this one was extremely helpful. It's organized in a way that an early level biology student can understand but with enough detail that the book can be used later on in your educational career. It's very easy to follow and I've used it several times since passing the class it was required for. Would recommend it.

Wish I ordered this one the first time. It was delivered when promised and was the correct edition. I ordered from someone else previously and was sent the wrong edition. I liked this particular version of the book as it is made for a 3 ring binder, making it easy to use only the chapters needed for class. Beats carrying a massive book to class and makes it easier to find the content needed, because your flipping through fewer pages. I totally recommend this version of the book.

I'm a middle-aged computational linguist, and I bought this book after a fascinating conversation with my doctor about the advances made in biology in recent years due primarily to cancer and AIDS research. I want to learn important things that mankind has understood before I have to leave the planet. I thought I was going to have to pull myself together to read this heavy stuff, but not at all. For me, this is a page turner. I couldn't wait for my commute so I could sit in a corner and read my book. I have to say I am left totally BLOWN AWAY by what we have come to understand about biology -- both the details as well as the bigger picture. Had I been younger when I picked it up, I would not have appreciated as much the skill with which the authors present the material. The order and manner in which concepts are introduced have obviously been honed over decades of experience -- first the major themes which tie the field together, a complete and painless high school chemistry course placed so you sense why you're going to need it, the critical role that water plays

in making life possible. An overarching description of what energy is and how it functions precedes an attempt to discuss cellular respiration and photosynthesis, so that you're primed not to lose the forest for the trees. You really feel like you sense how it works, and if you're paying attention at all, you can't help but come away with admiration for the community of scientists who made it happen. I feel better about the human race, and am left sensing the magnificence of this achievement in the greater scheme of things. The whole of biology is presented pretty comprehensively. I left the book feeling that I got what I came for. But oddly the biggest thing I take away from this book is a deep impression of the astounding machine that I have been given to use in this life. You can't help waking up each morning hoping to be worthy of it.

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