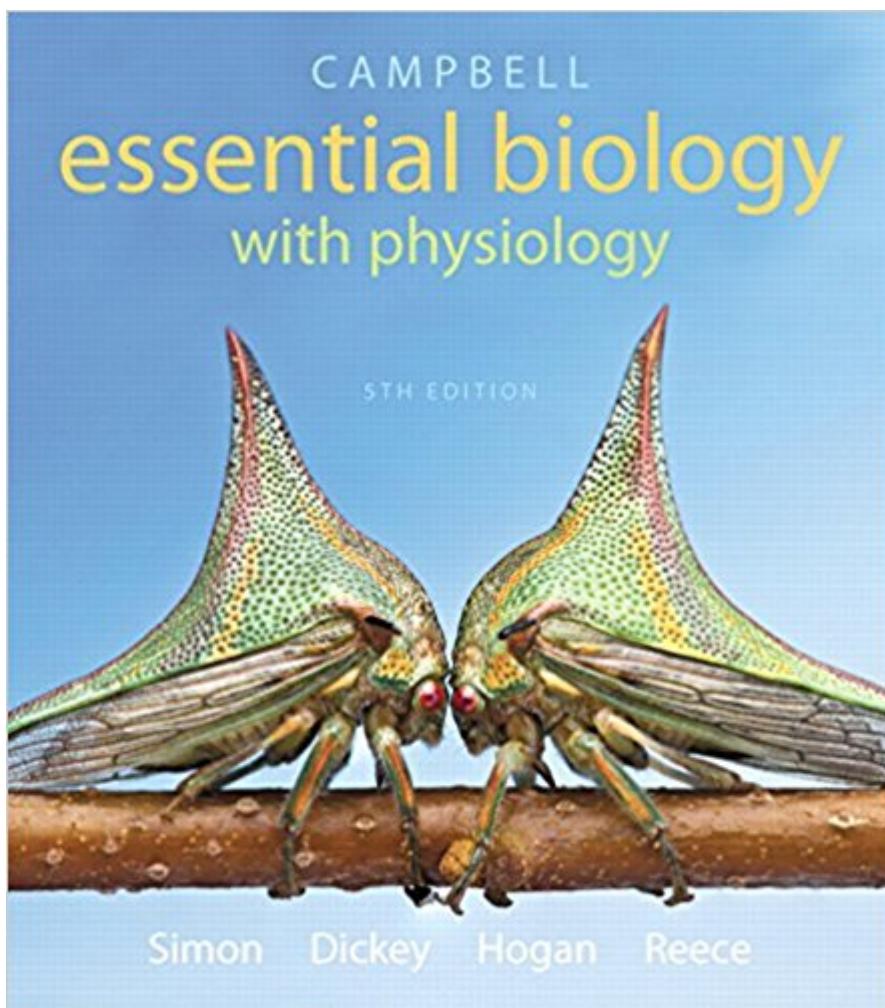


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# Campbell Essential Biology With Physiology (5th Edition)



## Synopsis

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ISBN-10: 0134001389/ISBN-13: 9780134001388. For non-majors/mixed biology courses.

Helping students understand why biology matters

Campbell Essential Biology makes biology interesting and understandable for non-majors biology students. This best-selling textbook, known for its scientific accuracy, clear explanations, and intuitive illustrations, has been revised to further emphasize the relevance of biology to everyday life, using memorable analogies, real-world examples, conversational language, engaging new Why Biology Matters photo essays, and more. New MasteringBiology activities engage students outside of the classroom and help students develop scientific literacy skills. Also available with MasteringBiology MasteringBiology is an online homework, tutorial, and assessment product that improves results by helping students quickly master concepts. Students benefit from self-paced tutorials that feature immediate wrong-answer feedback and hints that emulate the office-hour experience to help keep students on track. With a wide range of interactive, engaging, and assignable activities, many of them contributed by Essential Biology authors, students are encouraged to actively learn and retain tough course concepts. New MasteringBiology activities for this edition include "Essential Biology" videos that help students efficiently review key topics outside of class, "Evaluating Science in the Media" activities that help students to build science literacy skills, and "Scientific Thinking" coaching activities that guide students in understanding the scientific method.

## Book Information

Paperback: 752 pages

Publisher: Pearson; 5 edition (February 7, 2015)

Language: English

ISBN-10: 0321967674

ISBN-13: 978-0321967671

Product Dimensions: 9.5 x 1 x 10.8 inches

Shipping Weight: 3.8 pounds ([View shipping rates and policies](#))

Average Customer Review: 4.1 out of 5 stars 221 customer reviews

Best Sellers Rank: #664 in Books (See Top 100 in Books) #3 in Books > Textbooks > Science & Mathematics > Biology & Life Sciences > Anatomy & Physiology #6 in Books > Science & Math > Biological Sciences > Anatomy #8 in Books > Textbooks > Science & Mathematics > Biology & Life Sciences > Biology

## Customer Reviews

Neil A. Campbell (1946-2004) combined the inquiring nature of a research scientist with the soul of a caring teacher. Over his 30 years of teaching introductory biology to both science majors and nonscience majors, many thousands of students had the opportunity to learn from him and be stimulated by his enthusiasm for the study of life. While he is greatly missed by his many friends in the biology community, his coauthors remain inspired by his visionary dedication to education and are committed to searching for ever-better ways to engage students in the wonders of biology. Eric J. Simon is a professor in the Department of Biology and Health Science at New England College (Henniker, New Hampshire). He teaches introductory biology to science majors and nonscience majors, as well as upper-level courses in tropical marine biology and careers in science. Dr. Simon received a B.A. in biology and computer science and an M.A. in biology from Wesleyan University, and a Ph.D. in biochemistry from Harvard University. His research focuses on innovative ways to use technology to increase active learning in the science classroom, particularly for nonscience majors. Dr. Simon is also the author of the introductory biology textbook *Biology: The Core* and a coauthor of *Campbell Biology: Concepts & Connections*, 8th Edition. Jean L. Dickey is Professor Emerita of Biological Sciences at Clemson University (Clemson, South Carolina). After receiving her B.S. in biology from Kent State University, she went on to earn a Ph.D. in ecology and evolution from Purdue University. In 1984, Dr. Dickey joined the faculty at Clemson, where she devoted her career to teaching biology to nonscience majors in a variety of courses. In addition to creating content-based instructional materials, she developed many activities to engage lecture and laboratory students in discussion, critical thinking, and writing, and implemented an investigative laboratory curriculum in general biology. Dr. Dickey is the author of *Laboratory Investigations for Biology*, 2nd Edition, and is a coauthor of *Campbell Biology: Concepts & Connections*, 8th Edition. Kelly Hogan is a faculty member in the Department of Biology and the director of instructional innovation at the University of North Carolina at Chapel Hill, teaching introductory biology and introductory genetics to science majors. Dr. Hogan teaches hundreds of students at a time, using active-learning methods that incorporate technology such as cell phones

as clickers, online homework, and peer-evaluation tools. Dr. Hogan received her B.S. in biology at the College of New Jersey and her Ph.D. in pathology at the University of North Carolina, Chapel Hill. Her research interests relate to how large classes can be more inclusive through evidence-based teaching methods and technology. She provides faculty development to other instructors through peer coaching, workshops, and mentoring. Dr. Hogan is the author of *Stem Cells and Cloning*, Second Edition, and is lead moderator of the Instructor Exchange, a site within MasteringBiology® for instructors to exchange classroom materials and ideas. She is also a coauthor of *Campbell Biology: Concepts & Connections*, 8th Edition. 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 (where she was initially a philosophy major), 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 postdoctoral 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 twelve years as an editor, she played a major role in a number of successful textbooks. She is the lead author of *Campbell Biology*, Ninth Edition and *Campbell Biology: Concepts & Connections*, Seventh Edition.

For an introductory Biology class this is a really good supplemental study aid. I have a terrible lecture professor who barely skims the material, so this text has really helped me attain a better grasp of the material. It is written in very plain language, although there are some particular chapters in the book which are so densely packed with information, anyone can get bogged down by it very quickly. (Cells - omg.) Some of the chapters are short, while others are long, so don't get "used" to a certain time period that you will study for, as for me it varied between half an hour to read a chapter to almost two hours. Even more if you're going to take notes at the same time. Anyway thank you to the writer and publisher for making this text available as a rental - it saved me so much money, and the content of the book itself is very well organized and written.

Whoever thought it was a good idea to make this thick book a softcover, I tell you: it was not. The sheer weight of this book, combined with the thin, slippery cover, makes it difficult to hold onto the book. Additionally, for whatever reason, whenever I put this textbook into my messenger bag (a regular messenger bag, nothing special), it always ends up bent and wedged under my other books.

It's hard to even pull it out because there's no friction. I try to keep my things nice, but this book was the only one in my possession with dog ears and crinkles after merely one semester of use. Asides from the obvious issue, this book was very informational and to the point, and it explained difficult aspects of biology in such a simple, succinct manner that I learned more from it than I did in many of my previous textbooks. I know I might be unfair if there is a hardcover available, but if there is not, this book can be a hassle. Get the hardcover.

The book was correct, but the code that came with the package didn't work for my class instructor code. I had to send it back before I lost any more points on my assignments.

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I really like how the book uses real world examples and explains things in the most basic way. However, there seem to be some parts where the specific definitions of certain words, parts, and concepts is a bit unclear. But I can't tell if that's just me overthinking it, the concepts being hard, or both... All in all, it seems like a pretty decent book for my bio course

Wonderful book! Very clear, a lot of simple analogies which help you understand complicated concepts and processes (homologous pairs of chromosomes compared to a pair of shoes - ingenious! LOL), a lot of pictures and many different interesting facts. This is a great book! I am really enjoying it! I don't remember any other college books that made me so interested in the subject as this one! Recommend it to everyone!

The class is over, but I'm still reading this textbook. I, a former non-biology major, have thoroughly studied units one and two. I didn't appreciate the quality of this book until I purchased other biology textbooks to further my knowledge. This textbook is easy to understand. It builds your knowledge up from the bottom, and every matter mentioned can be understood if you apply the prior information. So far, the only exception to the above is the lack of in-depth chemistry in unit one, Cells. It has basic visual models of molecules, but it doesn't go deep into why the chemicals interact in certain ways. Instead, it makes simple representations that convey the functions of the molecules. This is good if you don't want to learn in-depth chemistry, but I found myself wishing I knew more of the chemistry behind the reactions. However, you might want to skip unit one because unit two,

Genetics, is far more interesting. Plus, if you skip it because you didn't want to read about chemical interactions, unit two might do a better job of engendering your interest in biochemistry because you can't understand the functions of individual genes unless you know some biochemistry. The book's orientation around building your understanding replaces the persuasive argumentation and other rubbish that lurks within other textbooks. There are no separate boxes of text meant to change your stance on controversial issues, nor are there little comics with jokes about current issues. It's just science.

Such good condition! Thank you!

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