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# Scientific American Biology For A Changing World



## Synopsis

From the groundbreaking partnership of W. H. Freeman and *Scientific American* comes this one-of-a-kind introduction to the science of biology and its impact on the way we live. In *Biology for a Changing World*, two experienced educators and a science journalist explore the core ideas of biology through a series of chapters written and illustrated in the style of a *Scientific American* article. Chapters don't just feature compelling stories of real people—each chapter is a newsworthy story that serves as a context for covering the standard curriculum for the non-majors biology course. Updated throughout, the new edition offers new stories, additional physiology chapters, a new electronic Instructor's Guide, and new pedagogy. See what's in the *LaunchPad*

## Book Information

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## Customer Reviews

Michele Shuster, Ph.D., is an associate professor in the biology department at New Mexico State University in Las Cruces, New Mexico. She focuses on the scholarship of teaching and learning, studying introductory biology, microbiology, and cancer biology classes at the undergraduate level, as well as working on several K-12 science education programs. Michele is an active participant in programs that provide mentoring in scientific teaching to postdoctoral fellows, preparing the next generation of undergraduate educators. She is the recipient of numerous teaching awards, including a the Westhafer award for Teaching Excellence at NMSU. Michele received her Ph.D. from the Sackler School of Graduate Biomedical Sciences at Tufts University School of Medicine, where she

studied meiotic chromosome segregation in yeast. Janet Vigna, Ph.D., is an associate professor in the biology department at Grand Valley State University in Allendale, Michigan. She is a science education specialist in the Integrated Science Program, training and mentoring K-12 science teachers. Janet has 18 years of undergraduate teaching experience, with a special interest in effectively teaching biology to nonmajors. She has recently been recognized with the GVSU Outstanding Teacher Award. Her scholarly interests include biology curriculum development, the effective use of digital media in science education, and research on the effects of biological pesticides on amphibian communities. She received her Ph.D. in microbiology from the University of Iowa. Matthew Tontonoz has been a development editor for textbooks in introductory biology, cell biology, biochemistry, evolution, and environmental science. After a brief stint in medical school in California, he realized he was better suited to saving sentences than saving lives. He received his B.A. in biology from Wesleyan University and his M.A. in the history and sociology of science from the University of Pennsylvania. He is currently staff science writer at the Cancer Research Institute, where he covers advances in cancer immunology and blogs about the history of medicine. Gunjan Sinha has been writing about science for over a decade. Her articles have been published in *Science*, *Nature Medicine*, *Nature Biotechnology*, *Scientific American*, and several other magazines and journals. She holds a graduate degree in molecular genetics from the University of Glasgow, Scotland and a graduate degree in journalism from New York University. She currently works as a freelance science journalist and lives in Berlin, Germany."

It must have been a very popular book, I checked before school start for rentals, they have multiple of them. But few days later, it was gone. Totally out of stock. My professor likes it because it is light weight. I think it is alright, they give great stories, so you can make connections with your daily life.

Not a terrible read, some great information necessary for class and overall not difficult to understand. Easy to follow and helpful as a guide during class discussions

Biology always gave me some struggles, this book made it easy for me. Terms and definitions are simple, examples very easy to digest...a very explicit tool for understanding biology.

Would have been nice if it was the book pictured! No choice to leave 0 stars!

TreeFrogBooks is an awesome company to deal with! They are a company with a heart!! My family

is going through some health challenges and this company was extremely empathetic and flexible in the return that needed to be processed! I can not speak more highly of this company!!

Got the wrong book supposed to be with psychology didn't specify what it was. Also had a tear in it in the corner when it arrived to me so I guess it was used before.

I got the wrong edition - I needed the one with chapters on the reproductive system and physiology and stuff - but otherwise this textbook was one of the better biology ones I've read.

Goof book. Had to purchase for my Genetics of Disease class and is a great book for learning the basic of biology in general but also great detail applicable to my course.

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