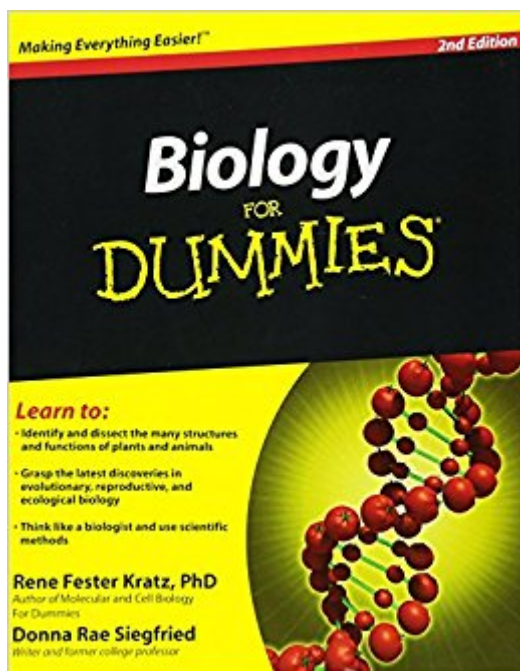


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# Biology For Dummies



## Synopsis

An updated edition of the ultimate guide to understanding biology Ever wondered how the food you eat becomes the energy your body needs to keep going? The theory of evolution says that humans and chimps descended from a common ancestor, but does it tell us how and why? We humans are insatiably curious creatures who can't help wondering how things work—starting with our own bodies. Wouldn't it be great to have a single source of quick answers to all our questions about how living things work? Now there is. From molecules to animals, cells to ecosystems, *Biology For Dummies*, 2nd Edition answers all your questions about how living things work. Written in plain English and packed with dozens of illustrations, quick-reference Cheat Sheets, and helpful tables and diagrams, it cuts right to the chase with fast-paced, easy-to-absorb explanations of the life processes common to all organisms. More than 20% new and updated content, including a substantial overhaul to the organization of topics to make it a friendly classroom supplement Coverage of the most recent developments and discoveries in evolutionary, reproductive, and ecological biology Includes practical, up-to-date examples Whether you're currently enrolled in a biology class or just want to know more about this fascinating and ever-evolving field of study, this engaging guide will give you a grip on complex biology concepts and unlock the mysteries of how life works in no time.

## Book Information

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## Customer Reviews

The fast and easy way to understand biology From molecules to animals, cells to ecosystems, this friendly guide answers all your questions about how living things work. Written in plain English and

packed with helpful illustrations, tables, and diagrams, it cuts right to the chase with easy-to-absorb explanations of the life processes common to all organisms. **Biology 101** • get the lowdown on how life is studied and open a window on the world's organisms **Jump into the gene pool** • discover how cell reproduction and genetics work, from making sense of Mendel's Law of Segregation to dealing with DNA **Explore the living world** • find out how ecology and evolution are the glue that holds everything together **Let's get physical** • peruse the principles of physiology to get a handle on animal structure and function **Go green** • take a look at the life of plants and understand how they acquire energy, reproduce, and so much more **Open the book and find:** Plain-English explanations of how living matter works **The parts and functions of cells** **How food works as a source of energy** **The 411 on reproduction and genetics** **Fascinating facts about DNA technology** **The biology of bacteria and viruses** **How humans affect the circle of life** **An overview of human anatomy** **Innate human defenses (and adaptive ones, too!)** **Learn to:** Identify and dissect the many structures and functions of plants and animals **Grasp the latest discoveries in evolutionary, reproductive, and ecological biology** **Think like a biologist and use scientific methods**

Rene Fester Kratz, PhD, is a Biology Instructor at Everett Community College and a member of the North Cascades and Olympic Science Partnership. Donna Rae Siegfried has been published in Prevention, Runner's World, Men's Health, and Organic Gardening.

I am a psychologist who studied biology in 1963-64 and 1964-65. My hobby is Saltwater aquarium keeping. I needed to learn some state of the art biology to apply it to my hobby. I read this book from cover to cover and many things that I had in my unconscious mind were refreshed. I learned other things like actualized DNA concepts and many others that I had never heard of. What I really liked about the book is the way it presents new concepts. It is easy to read, easy to understand and presents its subject matter in a progressive way, from easier necessary concepts to more difficult ones. I liked the book a lot. Congratulations to the authors. Ferdinand Acevedo Ph.D.

The Biology for dummies helped significantly during my year of college General Bio for PreMed. Although it does not replace the text book it helps to understand the text book. Lets face it, text books are hard to read. This book helped create a foundation that I could later easily expand on with the text book. It was also much more fun to read. I would read the section in this book first to get an

idea on the subject than after I would read the section from the text book. This covered everything in my bio class. This is a must have for any college student in General Biology. It is also great for reviewing before finals!

My sisters in China will like the book. Thanks for your work.

While my shelves groan ever more threateningly as I pack on more science and math texts, I increasingly find that a quick look through a "For Dummies" title is a great way to check myself as I prepare to teach science concepts to 12-year-olds. This particular volume does a nice job of laying out the basics of biology. It has helped reduce the highly complex concepts of the life sciences into a framework of idea of appropriate complexity for the age group I teach and to be able to explain and understand how the biology of the 6th grade curriculum fits within the continuum of biological knowledge that my students will require as they proceed to high school and college. Dr. Kratz eschews much of the cutesy/obnoxious "infotainment" that annoys the heck out of me in "For Dummies" books, and while she doesn't match the level of detail you'll find in your AP or college biology text, this is precisely the text to reach for when you find that the information in your assigned reading is going in your eyes and back out your ears faster than you can say Krebs cycle.

This book will have helped me a lot for my middle school tests. It is clearly explained and fun to read. The pictures do a good job explaining and represent the topic.

Wonderful, readable book on a difficult explained topic. Written with humor, good writing style in a way that causes you to remember what you've read. The "For Dummies books are not what they at first glance seem, they're not some crappy books with minimal content just to cover the very basic. No, I recommend this book to everyone with a interest in biology. I sure learned a lot.

Excellent book. Break down the subject so anyone could understand it. Good supplement for those in High School taking Biology but need further instruction simplified. I would highly recommend this book.

So Far it really brings together the information in very-easy-to-understand and entertaining terms. The author really knows how to teach as well as the materials. Go beyond mere memorization and the topical coverage of your courses to really appreciate the phenomena of Life, for better long-term

academic success, and also enrichment as a person. Incoming freshmen should read this the summer before college begins. Also covers some basic chemistry and some advanced topics later on in the book.

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