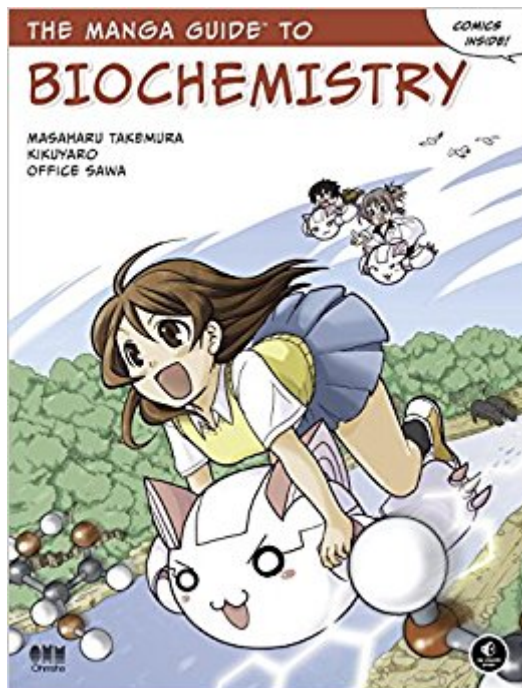


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The Manga Guide To Biochemistry



Synopsis

In graphic novel format, follows a girl who seeks the help of her intelligent friend and his professor to teach her about biochemistry, from whom she learns about metabolism, DNA transcription, and enzyme kinetics.

Book Information

Paperback: 272 pages

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Customer Reviews

Kumi loves to eat, but she's worried that her passion for junk food is affecting her health.

Determined to unlock the secrets of dieting, she enlists the help of her brainy friend Nemoto and his beautiful biochemistry professor, Dr. Kurosaka. And so it begins...Follow along in The Manga Guide to Biochemistry as Kumi explores the mysteries of her body's inner workings. With the help of RoboCat, the professor's friendly endoscopic robot, you'll soar through the incredible chemical machinery that keeps us alive and get an up-close look at biopolymers like DNA and proteins, the metabolic processes that turn our food into energy, and the enzymes that fuel our bodies' chemical reactions. As you dive into the depths of plant and animal cells, you'll learn about: The metabolism of substances like carbohydrates, lipids, proteins, and alcohol How the energy powerhouses known as mitochondria produce ATP DNA transcription and the different types of RNA that work together to translate the genetic code into proteins Enzyme kinetics, how they're measured, and how enzyme inhibition works Whether you're a medical student, an amateur scientist, or just curious about how your body turns cupcakes into energy, The Manga Guide to Biochemistry is your key to understanding the science of life.

Masaharu Takemura is an Associate Professor at the Tokyo University of Science who specializes in molecular biology and life science. A Doctor of Medical Science, he has written several books about biology.

As a senior biochemistry undergrad who likes Japanese culture, I was immediately interested in this book. It mostly met my expectations for a cute presentation of a complex scientific subject. I could say that it presents a simplistic view of the subject, but that's through the eyes of a student about to earn his bachelor's in this science. From the standpoint of a high school student or beginning college student, this book provides an excellent overview of the subject. The student will retain foundational concepts after reading this, i.e. the four classes of macromolecules and the concept of metabolic chemical reactions. The immediate application of each concept to a real-life example will aid retention, as will the little bit of cute humor and low-key romance :) The story itself isn't super-dramatic or risqué, but that's certainly a good thing; such would be distracting from the educational value of the comic. I highly recommend this book to any high school students or undergrads who haven't learned biochemistry in any depth yet. For an educated student and above, it'll be a fun review.

I've read several of these and recommended them to my students who don't really do as well with the traditional textbooks as a form of learning. The problem is, they tend to be too simplistic in some areas and too advanced in others for the classes I teach, but, if it draws any of them in and gets them interested to learn more, it will have done the job.

Fun way to learn Biochemistry concepts. Even if you're not a biochem student, this book could benefit anyone because it covers important concepts relating to nutrition and health. Starts off with the absolute basics and gets progressively more detailed. At the end of each chapter, there is a short textbook-like section. This book goes into more depth, is more technical and is more dense than I expected. I only bought this for fun but I will need to take biology in the future, so I'm sure this info will come in handy.

Just got it a couple days ago. I have my degree in biochemistry so it is always nice to go back and review different concepts and the story-based way they do it in this book is pretty cool. I'm also a huge manga/anime fan. Obviously it won't replace an actual biochemistry textbook and doesn't

have as much chemistry as I would like(nor would I expect it to, although it covers a bit of organic chem) but it's it would be a great addition to anybody's collection; from a young child to a college graduate. Looking forward to buying the other animated guides such as the molecular biology and the calculus one once I have enough money saved up.

Cute and fun book. Terrible study aid if you are taking a Biochemistry class at a university. It is a very simplistic overview of the general ideas. I would highly recommend to someone who wants a brief idea of biochemistry concepts, but not someone who wants to master it. Definately useless as a study aid for a class. Great if you want a peak into the subject.

It's adorable but it doesn't go as in depth as I would have liked. It basically gives a general overview, making it better for high school students or someone who's about to take a college biochem. class.

This combines 2 things some kids like--comics and biochemistry. Gave it to my granddaughter who is a first year high school student. She is learning about the Krebs cycle and other things Grandma can't remember except that they sound like biochemistry. She also loves comics. She laughed when she saw both combined in this book.

the book gives you the equivalent of a textbook's data yet in a quick, playful, & easy to remember fashion. :)

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