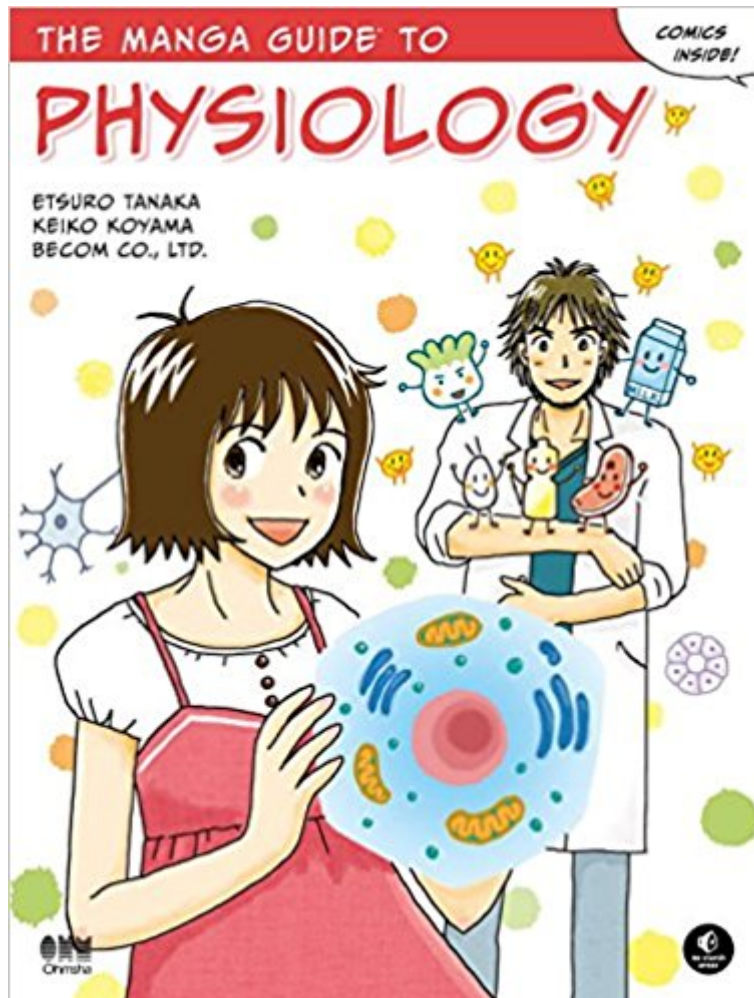




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The Manga Guide To Physiology (Manga Guides)



Synopsis

Student nurse Kumiko has just flunked her physiology exam and has one last shot at passing her makeup test. Lucky for her, newbie health science professor Kaisei needs a guinea pig for his physiology lectures. Join Kumiko in *The Manga Guide to Physiology* as she examines the inner workings of the body while training hard for the campus marathon. You'll learn all about:

- How the digestive system and the Citric Acid Cycle break food down into nutrients and energy
- How the body regulates temperature and vital fluids
- The body's powerful cell defense system, led by helper T cells and enforced by macrophages
- The architecture of the central nervous system
- The kidneys' many talents: blood filtration, homeostasis, and energy production

You'll also gain insight into medical procedures like electrocardiograms, blood pressure tests, spiograms, and more. Whether you're cramming for a test like Kumiko or just want a refresher, *The Manga Guide to Physiology* is your fun, cartoon guide to the human body.

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Customer Reviews

Etsuro Tanaka is a doctor of medicine who specializes in physiology and nutritional science. A professor in the Tokyo University of Agriculture Faculty of Applied Bio-Science, he has also written several popular physiology textbooks for nursing students.

This book satisfies like all the other Manga guides that we own. This book presents a complex subject matter in a new format. My teen likes all of these books, and we often find the 9yo reading them as well. These books often offer some pages of detailed explanations in addition to the drawings, so there is more depth of information than you may initially expect.

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.

I am unable to download it to my kindle device as it returned an error message saying that 'The item is not compatible with this device' :(Can anyone help me out??

I love it! I am so amazed how the pictures explain each topic.

Physiology, the study of normal functions and processes in the human body, is a standard class for everyone who studies in a medically related field, and is frequently part of a biology major as well. It can be taken as part of a biology honors program in some high schools, often combined with anatomy. While physiology is not particularly difficult to learn and understand, a lot of memorization is required, and for most students the acquisition of the required vocabulary can be challenging. The Manga Guide to Physiology can be a useful adjunct to someone taking a physiology class, or may be a valued introduction to the concepts of physiology for someone considering the class. We learn in different ways, the Manga approach uses a visual (think graphical novel) and written didactic approach, and combines them in story form to hold our interest. The didactic portion of each chapter is brief (~ 10 pages) but well written, and does a good job of answering some of the questions that might arise when reading the comics. Some of the chapters are merely introductory to the subject, and lack much detail. e.g. Cells, Genes, and Reproduction. But the important vocabulary is introduced, a stepping-stone to more advanced knowledge. Many will find it easier to digest than a standard text of physiology. And the graphical presentation will likely hold their interest better than the usual textbook. The chapters each focus on an organ system, and include: Circulatory System, Respiratory System, Digestive System, Kidneys, Body Fluids (blood, ions in the blood stream, etc.), Brain and Nervous system, Sensory Nervous System, Musculoskeletal System, Cells, Genes, and Reproduction, Endocrine System (glands, thyroid, adrenal, etc.). A nine page index is included. I don't

think the book would necessarily be useful as a textbook for a physiology class, but as an introduction to the subject or adjunct resource it could be valuable for many students. And it does inject some humor into the subject, always a positive!

I asked lightheartedly on Twitter "Is there something wrong in getting medical advice from a Manga comic book?" because I have found the information in The Manga Guide to Physiology to be more complete and understandable than many medical websites. Of course the book should not replace a medical professional but it does give a very comprehensive look at the workings of the human body. And, of course, the format of the book (Manga comic book with an interesting story line and great illustrations) makes it more readable than a textbook. I found myself saying "Just one more chapter" which would never have been the case in a typical physiology text book. Like the other Manga guides the information is presented using young characters involved in something to keep your interest. In The Manga Guide to Physiology a Nursing School freshman named Kumiko needs to pass a test on the human body in order to compete in the campus marathon which she is simultaneously training for. She is tutored by a young professor who turns out to be someone unexpected. Don't be fooled and think that because of this background story the information is fluff. The information presented is detailed but presented in a clear manner with examples that will make you understand the subject rather than help you memorize facts. In addition there is always an "Even More About" section that gets into more details for those who want it. The sections give a complete look at how the body works: The Circulatory System The Respiratory System The Digestive System The Kidneys and Renal System Body Fluids The Brain and Nervous System The Sensory Nervous System The Musculoskeletal System Cells, Genes and Reproduction The Endocrine System The No Starch Press Manga series and in particular this book, The Manga Guide to Physiology, have become a valuable platform to learn some complicated subjects in an engaging way.

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