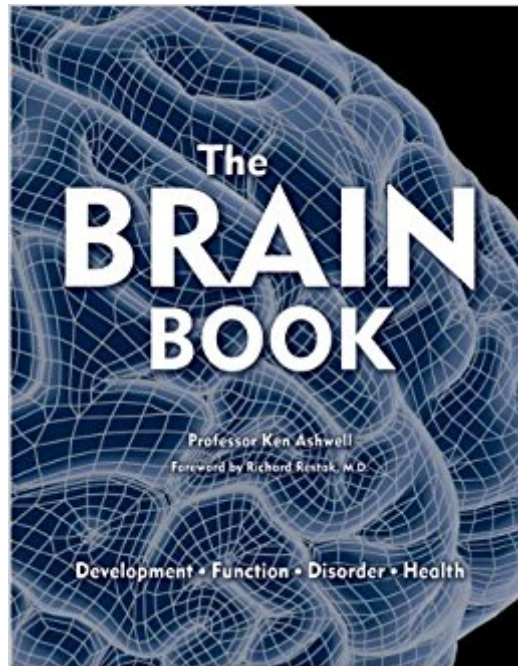




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The Brain Book: Development, Function, Disorder, Health



Synopsis

The brain (and mental health) is the most important medical issue of our time. Just two handfuls in size and made of billions of nerve and ganglial cells, the living brain controls our thoughts, movements, behavior and emotions. It is the seat of our consciousness, yet scientists are still discovering how the living brain actually works. The Brain Book combines the latest image technology with easy-to-understand authoritative text. Written by an international team of medical experts on brain science, it covers all aspects of brain function, from development and disorders, to the nature of consciousness, through to the aging brain and brain diseases. Topics include brain chemistry, memory, the teenage brain, illusions and hallucinations, music and the brain, sleep and wakefulness, anesthetics, degenerative brain disease and much more. The book is organized into nine sections: Structure and Function Development The Senses Movement and Actions The Social Brain Mind, Consciousness, Mood and Psychosis Brain Plasticity, Injury and Repair Drugs and the Brain Aging and Disease The Brain Book is a complete guide to the amazingly complex and intriguing structure that is the human brain. It is an essential reference for any library.

Book Information

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Customer Reviews

Assuming no prior knowledge about the human brain on the part of its readers, this educational but nontextbook volume informs them of fundamentals ranging from anatomy to abnormalities and their treatment. Appropriately, since constructing vision is among the brain's many remarkable talents, the work is generously visual; hundreds of color diagrams, photographs, and brain scans

illustrate the information the text imparts. It first maps out the entire nervous system, from the body's peripheral nerves to the spinal column to the geography of the brain itself. Ashwell then proceeds to physiological processes that the brain operates, such as digestion and movement, highlighting specific neural pathways dedicated to them and arriving at explanations of how neurons function. Such anatomical discussions prepare readers for the book's most practical use, informing them of health issues associated with the brain. Proper childhood development is emphasized, problems like autism are addressed, and health problems encountered in adulthood—trauma, disease, addiction, aging, and psychopathology—are described. An informative general introduction, this will well serve the basic science collection. --Gilbert Taylor

A deluxe hardcover describing all the brain's functions, disorders, and diseases, written by a team of international brain science experts. (Publisher's Weekly 2012-08-13)An informative general introduction, this will well serve the basic science collection. (Gilbert Taylor Booklist 2012-12-01)There is something almost magical about a beautiful, colorful, well-illustrated book... There is hardly a single page without a full color photograph or illustration. The topics covered are wide ranging.... It is definitely a useful special topic book in upper middle school and high school. It would be particularly useful for a teacher who is interested in preparing some background information for elementary or middle level students.... This would make a good classroom or library reference book.... Those outside the education ranks would also benefit from the use of this book to look up items that might be of interest. (Steve Canpipe National Science Teachers Association Recommends 2013-02-04)Owning a book on the brain is a no brainer, as the saying goes. It is an essential book for yourself and your family. (Shelf Life 2013-02-01)Jaw-dropping images--MRIs, micrographs (photographs taken through a microscope), and detailed graphics--which display the brain like you've never seen, or thought of it, before. But think of it we should.... There's much to learn, and all of it is fascinating.... This volume is so much more than a beautifully illustrated coffee table book, it is both fascinatingly detailed and extraordinarily readable. No reference library, or lover of good books, should be without a copy. (Tracey Tufnail Vancouver Sun 2013-03-30)This could have easily been a very dull tome. It isn't. (Randy Midzain Winnipeg Free Press 2012-12-01)

This book was a great find. It has enough information to be a really thorough without being too "medical". Addresses all aspects of neurology. Great for a high school student. Illustrations help to explain concepts well.

A classic text book of the body's most important organ. Superbly well illustrated and clearly written in language accessible to the lay person, this introductory text is a must for first year students of neurobiology and could serve as a useful coffee table reference for interested persons outside the medical professions.

Fantastic. I first found this book at the library and had to have it. This book provides a different lens to the brain and information that many a psychology text lacks. Love it!

Great illustrations, very detailed and comprehensive.

The Brain Book is very insightful on various mental disorders or illnesses like anxiety. I would recommend to those interested in the brain and to those who have a budding interest in neuroanatomy

Beautifully illustrated easy read!

A great book for my Mother's gift for Mother's Day. She is very happy with this book, and I am grateful for very fast delivery!!

Great diagrams and readable text explaining the many intricacies of the brain.

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