

Structure Of The Human Brain A Photographic Atlas

The Human BrainThe Human BrainThe Human Brain: The CD-ROM Has a simple, easy-to-use layout, that guides the student through an introduction to the human nervous system, using text, voice over and interactive images, including a rotatable model of the brain which allows various substructures to be highlightedStructure of the Human BrainThe Human Brain50 Human Brain Ideas You Really Need to KnowThe Human BrainEncyclopedia of the Human BrainThe Human AdvantageThe Everything Guide to the Human BrainThe Private Life of the BrainThe BrainThe Tell-Tale BrainEncyclopedia of the Human BrainThe Human Brain BookThe Brain: A User's ManualThe Human BrainThe Human BrainDiscoveries in the Human BrainThe Human Brain Book Susan A Greenfield John Nolte David Robinson Stephen J. DeArmond Susan Greenfield Moheb Costandi John Nolte Suzana Herculano-Houzel Rudolph C Hatfield Susan Greenfield Christine Temple V. S. Ramachandran Rita Carter Marco Magrini Merlin C. Wittrock Louise H. Marshall Rita Carter

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what would you see if you removed the skull from the human brain and then slowly worked your way deeper and deeper into the brain to the level of an individual neuron with renowned brain researcher susan greenfield as your guide here is your chance to gain a bird s eye view of the human brain and to learn more about what the brain is how it works what happens when one part of the brain is made dysfunctional through stroke or accident how brain mood modifying drugs find their targets in a particularly fascinating chapter greenfield surveys for us how a brain is built and then takes us on a tour of the developing brain from the moment of conception throughout greenfield poses the larger questions all readers want to consider including at what stage does individuality creep into the developing brain how does the collection of circuits of neurons give rise not just to an individual brain but an individual consciousness what might a fetus be conscious of

locked away in its casing of skull bone the brain remains a tantalising mystery despite astounding progress in brain research this book begins by exploring the different regions of the brain and goes on to examine how certain functions are accommodated in the brain it looks at how the basic building blocks of the brain brain cells communicate with

each other and how such communication can be modified by drugs it also describes how a brain is made from a single fertilized egg and the fate of a brain is traced through life as readers see how it constantly changes as a result of experience to create the essence of a unique individual finally the book explores what memory is how it works and where it occurs in the brain

neuroscience is one of the most fascinating and complex areas of scientific research with new advances being made every day in 50 human brain ideas you really need to know mo costandi condenses all we know about the brain and how it works into series of introductions to the most important concepts outlining both long standing theories such as the function of neurons and synaptic transmission and cutting edge ideas including neuroethics and brain computer interfacing with straightforward narrative and clear two colour illustrations this book is a perfect beginner s guide to the most powerful and mysterious organ in the body the ideas explored include the nervous impulse differences between the male and female brain the root of addiction neurobiological basis for personality the relationship between sleep and memory

already known as the reference of choice for expert coverage on the structure and function of the human brain and the nervous system nolte s the human brain continues to impress with essential updates throughout this new edition it includes a new chapter on formation modification and repair of connections with coverage of learning and memory as well as the coming revolution of ways to fix damaged nervous systems trophic factors stem cells and more 550 full color illustrations more than 650 in all support the text and depict every nuance of brain function but best of all your purchase now includes access to the entire contents online including all of the book s illustrations video clips and additional software plus many other exclusive features at studentconsult com

in the past decade enormous strides have been made in understanding the human brain the advent of sophisticated new imaging techniques e g pet mri meg etc and new behavioral testing procedures have revolutionized our understanding of the brain and we now know more about the anatomy functions and development of this organ than ever before however much of this knowledge is scattered across scientific journals and books in a diverse group of specialties psychology neuroscience medicine etc the encyclopedia of the human brain places all information in a single source and contains clearly written summaries on what is known of the human brain covering anatomy physiology neuropsychology clinical neurology neuropharmacology evolutionary biology genetics and behavioral science this four volume encyclopedia contains over 200 peer reviewed signed articles from experts around the world the encyclopedia articles range in size from 5 30 printed pages each and contain a definition paragraph glossary outline and suggested readings in addition to the body of the article lavishly illustrated the encyclopedia includes over 1000 figures many in full color managing both breadth and depth the encyclopedia is a must have reference work for life science libraries and researchers investigating the human brain

why our human brains are awesome and how we left our cousins the great apes behind a tale of neurons and calories and cooking humans are awesome our brains are gigantic seven times larger than they should be for the size of our bodies the human brain uses 25 of all the energy the body requires each day and it became enormous in a very short amount of time in evolution allowing us to leave our cousins the great apes behind so the human brain is special right wrong according to suzana herculano houzel humans have developed cognitive abilities that outstrip those of all other animals but not because we are evolutionary outliers the human brain was not singled out to become amazing in its own exclusive way and it never stopped being a primate brain if we are not an exception to the rules of evolution then what is the source of the human advantage

herculano houzel shows that it is not the size of our brain that matters but the fact that we have more neurons in the cerebral cortex than any other animal thanks to our ancestors invention some 1 5 million years ago of a more efficient way to obtain calories cooking because we are primates ingesting more calories in less time made possible the rapid acquisition of a huge number of neurons in the still fairly small cerebral cortex the part of the brain responsible for finding patterns reasoning developing technology and passing it on through culture herculano houzel shows us how she came to these conclusions making brain soup to determine the number of neurons in the brain for example and bringing animal brains in a suitcase through customs the human advantage is an engaging and original look at how we became remarkable without ever being special

an essential guide for understanding the inner workings of your brain do you really only use 10 percent of your brain can a bump to the head really restore memories does your brain ever lie to you why do you always forget where your glasses are but never how to read the brain makes you who you are this fascinating organ creates your personality and controls your reactions and emotions it s responsible for how you perceive the world around you all while controlling hundreds of physical functions like breathing moving circulation and digestion the brain is simply amazing the everything guide to the human brain will help you to unlock the mysteries of the brain you ll learn how the brain communicates with each part of the body how it affects your emotional life why you dream and how you remember things and you ll also get in depth descriptions of brain disorders and how science and medicine are working to heal or reverse them written in plain english this ultimate user s guide will help you learn about the most influential part of your body

how does the human brain produce your private world critically acclaimed neuroscientist and author susan greenfield who holds the prestigious position of director of the royal institution in england weaves together a thought provoking examination of childhood experiences primal emotions such as fear and euphoria and the effects drugs have on our personalities to probe the most intriguing mystery facing today s scientists how does the human brain create consciousness and a unique sense of self in this absorbing lyrical exploration dr greenfield presents a provocative new theory that treats emotions as the building blocks of our consciousness and provides an illuminating glimpse into the human brain that reveals the astonishing essence of who we are

providing an overview of current ideas about the brain this book includes current physiological and anatomical understanding as well as cognitive and behavioural understanding the book starts with an account of physiology and brain anatomy

a profoundly intriguing and compelling guide to the intricacies of the human brain oliver sacks in this landmark work v s ramachandran investigates strange unforgettable cases from patients who believe they are dead to sufferers of phantom limb syndrome with a storyteller s eye for compelling case studies and a researcher s flair for new approaches to age old questions ramachandran tackles the most exciting and controversial topics in brain science including language creativity and consciousness

an illustrated guide to the structure functions and disorders of the human brainthe human brain is the body part that makes each of us what we are unique individuals here the latest findings in neuroscience and state of the art imagery combine to provide an incomparable insight into the brain s form and function through unique computer generated

3d images and stunning graphics you'll explore the brain in unprecedented detail from its function as the hub of the nervous system to schizophrenia discover how the brain works and why it malfunctions gain insight into such esoteric aspects as behaviour language and communication and discover the nature of genius incisive clear and authoritative this is an essential human brain manual for students and healthcare professionals and is also a comprehensive reference book for the family

congratulations on the purchase of this exclusive product tailor made just for you it will provide you with years of continuous existence so begins the brain a user's manual marco magrini's fascinating guide to the inner workings of one of nature's most miraculous but misunderstood creations the human brain this user friendly manual offers an accessible guide to the machine you use the most deconstructing the brain into its constituent parts and showing you both how they function and how to maintain them for a longer life cutting through the noise of modern pop psychology the brain a user's manual is a refreshingly factual approach to self help written with a deft style and wry humour it offers tips on everything from maximising productivity to retaining memory and boosting your mood

170u can climb back up a stream of radiance to the sky and back through history up the stream of time 1 robert frost topics that he judged to be important in brain his from the last years of the second millennium tory leading into the end of the century and was we can look back on antecedent events in neuro undertaken in response to the enthusiasm gener science with amazement that so much of modern ated by exhibition at several national and interna biomedical science was anticipated or even said or done in an earlier time that surprise can be tional meetings of a series of large posters for which matched by appreciation for what the pioneer magoun wrote a 27 page brochure the posters investigators with no inkling that they were creat were viewed by a multitude of young neuroscien ing a discipline contributed to its emergence as a tists who wanted more as well as by mature inves productive force in human progress in today's tigators who were warmly pleased to see familiar names and faces from the past the acclaim was reductionist atmosphere in which research at the molecular level is producing breathtaking new accompanied by a veritable deluge of requests for knowledge throughout biology the student may an illustrated expanded publication

how can one organ generate consciousness memory personality and more this comprehensive book uses the latest findings from neuroscience to present a jaw dropping journey into the complexities of the most extraordinary phenomenon ever the human brain ancient greek aristotle thought the brain was just a device for cooling the blood today we know that the brain is actually more complex than any computer its 100 billion cells are in constant complex interplay to produce language and memory and generate sights sounds emotions and thoughts in this indispensable book view exploded artworks and scans that map its intricate workings and reveal the web of pathways that connect vision and memory so you can instantly recognise your neighbourhood or a friend's face the human brain book reveals the intricate two way traffic between the limbic system and the cortex that generates emotions and it answers myriad questions such as what is personality or why do we sleep with its coverage of more than 50 disorders from strokes to schizophrenia the human brain book is a fascinating read for anyone interested in science and health and is an accessible manual for students and healthcare professionals alike

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