Human Physiology: An Integrated Approach with IP-10 (5th Edition)

Dee Unglaub Silverthorn
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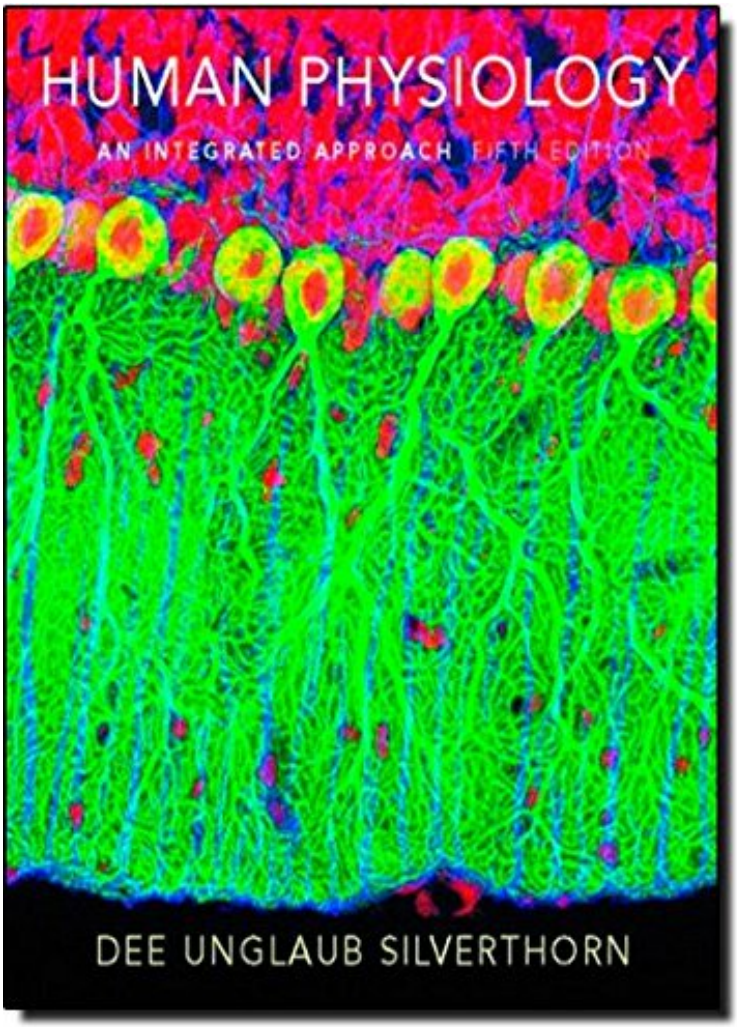

#1120654 in Books 2009-02-01Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 11.60 x 1.70 x 9.60l, 5.40 #File Name: 0321559398992 pages | File size: 61.Mb

Dee Unglaub Silverthorn : Human Physiology: An Integrated Approach with IP-10 (5th Edition) before purchasing it in order to gage whether or not it would be worth my time, and all praised Human Physiology: An Integrated Approach with IP-10 (5th Edition):

15 of 15 people found the following review helpful. You don't need 6th editionBy ToothfullyYoursI got this instead of the 6th edition. It served me just fine. The changes between the editions are very minimal, mostly just different colors in the diagrams.1 of 1 people found the following review helpful. Fantastic introductory physiology book!By Cyclist03This textbook covers a lot of the basics and is easy to follow and read; the diagrams are simple and clearly laid out. Each section within a chapter ends with a concept check to help the reader understand the main ideas covered.

And each chapter ends with a summary of key concepts/definitions in bold print follow by three levels of questions: 1) reviewing facts and terms, 2) concepts, and 3) problem solving. The best part of this text book is NOT having to purchase another book that provides all the answers, because they are already included in this book! Moreover, at the beginning of each chapter includes a "running problem", which provides an actual physiological illness/disease describing the symptoms and as the readers continues, the book will ask a question about that particular disease relating to the key concept that is covered. I think this is a great way to help apply the material learned in that section to a real life illness. This is better than the medical physiology book I currently have, which is overwhelming and more difficult to read. If only Dr. Silverthorn would also write one for graduate students, physiology would probably be more fun to learn!2 of 2 people found the following review helpful. For uniBy FrankUsed this textbook for my uni course in Human Physiology. It has rather good content and the illustrations/graphs/figures and captions are quite helpful in visualising what you are learning. The only downside is it's super expensive new (but honestly which textbooks aren't), so find a used copy!

Key Benefit: Human Physiology: An Integrated Approach broke ground with its thorough coverage of molecular physiology seamlessly integrated into a traditional homeostasis-based systems approach. The newly revised Fifth Edition has been significantly updated throughout and features substantially revised art and Running Problems in the book and on the reader Companion Website. Recognized as an extraordinary educator and active learning enthusiast, Dr. Silverthorn incorporates time-tested classroom techniques throughout the book and presents thorough, up-to-date coverage of new scientific discoveries, biotechnology techniques, and treatments of disorders. Dr. Silverthorn also co-authored the accompanying Student Workbook and Instructor Manual, ensuring that these ancillaries reinforce the pedagogical approach of the book.The Fifth Edition includes access to Interactive Physiology 10-System Suite (IP-10), PhysioEx 8.0, AP Flix animations in 3D, and The Physiology Place Companion Website. Key Topics: Introduction to Physiology, Molecular Interactions, Compartmentation: Cells and Tissues, Energy and Cellular Metabolism, Membrane Dynamics, Communication, Integration, Homeostasis, Introduction to the Endocrine System, Neurons: Cellular and Network Properties, The Central Nervous System, Sensory Physiology, Efferent Division: Autonomic and Somatic Motor Control, Muscles, Integrative Physiology I: Control of Body Movement, Cardiovascular Physiology, Blood Flow and the Control of Blood Pressure, Blood, Mechanics of Breathing, Gas Exchange and Transport, The Kidneys, Integrative Physiology II: Fluid and Electrolyte Balance, Digestion, Energy Balance and Metabolism, Endocrine Control of Growth and Metabolism, The Immune System, Integrative Physiology III: Exercise, Reproduction and Development Market: Intended for those interested in learning the basics of human physiology

About the Author Dee Silverthorn has been teaching at the University of Texas since 1986 where she lectures and coordinates student laboratories in physiology, and instructs graduate students in a course on developing teaching skills in the life sciences. Her innovative teaching has been recognized with numerous local and national awards, including the American Physiological Societys Arthur C. Guyton Physiology Educator of the Year and Claude Bernard Distinguished Lectureship, and the University of Texas Marilla D. Svinicki Burnt Orange Apple Award, Texas Excellence Teaching Award, and College of Natural Sciences Teaching Excellence Award. Her textbook also received the Robert W. Hamilton Author Award for best textbook published by a University of Texas faculty member. Dr. Dee studied biology and art as an undergraduate at Newcomb College and went onto earn a Ph.D. in marine science from the University of South Carolina. She began her career in the Physiology Department of the Medical University of South Carolina and spent several years at the University of Texas Medical Branch in Galveston before coming to Austin. Her research interest is epithelial transport, and work in her laboratory currently focuses on transport properties of the chick allantoic membrane. She is past chair of the Teaching Section of the American Physiological Society and just completed six years as editor-in-chief of Advances in Physiology Education. Her physiology education outreach extends to the international level and she has organized workshops and symposia in countries around the world. About the Illustrators Dr. William C. Ober received his undergraduate degree from Washington and Lee University and his M.D. from the University of Virginia. While in medical school, he also studied in the Department of Art as Applied to Medicine at Johns Hopkins University. After graduation, Dr. Ober completed a residency in Family Practice and later was on the faculty at the University of Virginia in the Department of Family Medicine. He is currently an Affiliate Professor of Biology at Washington and Lee University and is part of the Core Faculty at Shoals Marine Laboratory, where he teaches Biological Illustration every summer. Claire W. Garrison, R.N., B.A., practiced pediatric and obstetric nursing before turning to medical illustration as a full-time career. She returned to school at Mary Baldwin College where she received her degree with distinction in studio art. Following a five-year apprenticeship, she has worked as Dr. Obers partner in Medical Scientific Illustration since 1986. She is on the Core Faculty at Shoals Marine Laboratory and co-teaches the Biological Illustration course. As Medical and Scientific Illustration, some of this teams titles include Human Anatomy (Benjamin Cummings), Integrated Principles of Zoology (McGraw-Hill), Biology (Raven/Losos, McGraw-Hill), Marine Biology (McGraw-

Hill) and Galapagos Marine Life Series (Sugar Spring Press).