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## Essential Physiological Biochemistry: An Organ-Based Approach

By Stephen Reed

John Wiley and Sons Ltd. Paperback. Book Condition: new. BRAND NEW PRINT ON DEMAND., Essential Physiological Biochemistry: An Organ-Based Approach, Stephen Reed, This text provides a fresh, accessible introduction to human metabolism that shows how the physiological actions of selected organs can be explained by their particular biochemical processes. Focusing on metabolic integration, rather than pathways, this book opens with three introductory chapters that explore the principles of metabolism and its control before moving onto 'themed' chapters that investigate liver, communication systems (endocrine and neurological), blood and vascular system, muscle and adipose tissue and renal biochemistry. Targeted at non-biochemistry majors who need to get to grips with key biochemical concepts and ideas, this textbook is an essential guide for all undergraduate biomedical science, sports science, nutrition and other allied health students. Key features: A fresh, accessible primer that adopts a unique, organ-system based approach to human metabolism. Assumes only a basic understanding of chemistry. Chapters are arranged specifically to enable readers to grasp key concepts and to aid understanding. Some chapters include 'Case Notes, illustrating key aspects of metabolism in cells, tissues and organs.



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An Organ-Based Approach. Thomas J. Goodwin 1, \* and Melpo Christou-Solomidou 2, \*ID. 1The National Aeronautics and Space Administration (NASA, retired) Johnson Space Center, Houston An essential part of this. regulatory process is the production and scavenging of excess ROS and RNS to maintain an appropriate. balance of free radicals (FRs) in the physiology. A denominator approach to understanding and treating these physiological effects. Increased radiation exposure is one of the largest challenges to the prolonged habitation of space, generating substantial amounts of ROS and RNS species. Book Information. Essential Physiological Biochemistry: An Organ-Based Approach. By Stephen Reed. Length: 585 pages5 hours. Description. This text provides a fresh, accessible introduction to human metabolism that shows how the physiological actions of selected organs can be explained by their particular biochemical processes. Targeted at non-biochemistry majors who need to get to grips with key biochemical concepts and ideas, this textbook is an essential guide for all undergraduate biomedical science, sports science, nutrition and other allied health students. Key features: A fresh, accessible primer that adopts a unique, organ-system based approach to human metabolism. Assumes only a basic understanding of chemistry. mistry An Organ Based Approach. Essential Physiological Biochemistry: An Organ-Based Essential physiological biochemistry : an organ-based Page 1/24. Acces PDF. Organ-Based Essential Physiological Biochemistry provides a fresh, accessible introduction to human metabolism that shows how the physiological actions of selected organs can be explained by their particular biochemical processes. Page 10/24. Acces PDF.