



## Cell Chemistry and Physiology: Pt. 1 (Hardback)

By Bittar, Neville Bittar

ELSEVIER SCIENCE TECHNOLOGY, United Kingdom, 1996.  
Hardback. Book Condition: New. 232 x 162 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This is the first of a 4-volume module that is an introduction to the study of cell chemistry and physiology. It is not intended to be encyclopedic in nature but rather a general survey of the subject with an emphasis on those topics that are central to an understanding of cell biology and those that are certain to become of increasing importance in the teaching of modern medicine. We have followed what appeared to as to be the logical divisions of the subject beginning with proteins. Allewell and her colleagues stress the point that proteins fold spontaneously to form complex three-dimensional structures and that some of them unfold with the help of proteins called chaperones. Michaelis-Menten kinetics are shown by Nelsestuen to describe the behaviour of enzymes in the test tube. The formalism is particularly useful in the search for agents of therapeutic value, as exemplified by methotrexate. Uptake by mammalian cells of substrates and their metabolic conversions are discussed by van der Vusse and Reneman. However, both Welch and Savageau expound the view that the...



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