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BIOCHEMISTRY

FIFTH EDITION

A SHORT COURSE



Biochemistry A Short Course

**John L. Tymoczko, Jeremy M.
Berg, Lubert Stryer, Gregory Gatto**

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[Biochemistry](#) Harry R. Matthews, Richard A. Freedland, Roger L. Miesfeld, 1997-02-21 Harry R Matthews PhD Richard Freedland PhD Roger L Miesfeld PhD No scientific discipline has experienced such explosive growth or attracted so much popular attention over the past several decades as the study of life at the molecular level The most quantitative of biological sciences biochemistry studies the chemical components of living matter the reactions these components undergo the energetic changes that accompany such reactions and the organization replication and expression of genes *Biochemistry A Short Course* introduces students to the fundamentals of this fascinating scientific discipline Based on the authors years of experience teaching graduate undergraduate and professional courses this comprehensive introduction caters to the specific needs of researchers and students who must familiarize themselves rapidly with core concepts principles and theories Students are afforded a unique opportunity to arrive at a full understanding of important current and pending achievements in the field without having to wade through extraneous technical details and lengthy theoretical discussions more appropriate to a lab manual or specialized text Identifies key concepts and covers the essentials for nonmajors and anyone looking for a concise review of modern aspects of biochemistry Ideal for quick review follows the critically acclaimed Short Course format with abundant clear illustrations of key concepts Includes closely related areas of molecular and cell biology Features practical examples including cancer and other diseases drawn primarily from humans Here is the ideal textbook for

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