



Biochemical Calculations: How to Solve Mathematical Problems in General Biochemistry, 2nd Edition

By Irwin H. Segel

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- * Aqueous Solutions and Acid-Base Chemistry
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- * Enzymes
- * Spectrophotometry and Other Optical Methods
- * Isotopes in Biochemistry.

Sample problems are solved completely in a step-by-step manner, and the answer to all practice problems are given at the end of the book. With Biochemical Calculations, 2nd Edition , students will gain confidence in their ability to handle mathematical problems, discovering that biochemistry is more than memorization of structures and pathways.

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Editorial Review

From the Publisher

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Biochemical Calculations 2nd Edition How to Solve Mathematical Problems in General Biochemistry Irwin H. Segel, University of California, Davis Designed to supplement and complement any standard biochemistry text or lecture notes, Biochemical Calculations, 2nd Edition, provides a balanced picture of modern biochemistry by using elementary mathematics to explore the properties and behavior of biological molecules. The text discusses such topics as Aqueous Solutions and Acid-Base Chemistry ... Chemistry of Biological Molecules ... Bioenergetics ... Enzymes ... Spectrophotometry and Other Optical Methods ... and Isotopes in Biochemistry. Sample problems are solved completely in a step-by-step manner, and the answer to all practice problems are given at the end of the book. With Biochemical Calculations, 2nd Edition, students will gain confidence in their ability to handle mathematical problems, discovering that biochemistry is more than memorization of structures and pathways. Also of Interest — Enzyme Kinetics Behavior and Analysis of Rapid Equilibrium and Steady-State Enzyme Systems Irwin H. Segel Covers enzyme kinetics from its most elementary aspects to such modern subjects as steady-state, multi-reactant kinetics and isotope exchange. Provides a basic understanding of the behavior of enzyme systems and the diagnostic tools used to characterize enzymes and determine kinetic mechanisms. 1975 957 pp.

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