

Lehninger Principles of Biochemistry guides students through an introduction to the essentials of biochemistry with clear explanations of difficult concepts, while providing a sense of the excitement and relevance of the field to our everyday lives. Diabetes, an urgent issue in world health, serves as a defining theme for the book's chapters on metabolism and its control. The authors explore the molecular mechanisms of disease in depth, including coverage of how researchers locate human genes involved in inherited diseases (Chapter 9), multidrug resistance transporters (Chapter 11), and curing disease by inhibiting topoisomerases (Chapter 24).

As experienced teachers, Nelson and Cox understand that the quantitative underpinnings of biochemistry can be difficult for students to master. Included in the book are a variety of problem-solving tools—such as in-text worked examples that take students through difficult equations, end-of-chapter problems that give students further opportunity to practice what they have learned, and data analysis problems that encourage students to interpret data from the literature.



macmillan

HIGHER EDUCATION

International Edition

Not for sale in the USA or Canada

www.macmillanhighered.com/international

ISBN-13: 978-1-4641-0962-1

ISBN-10: 1-4641-0962-1



9 781464 109621