

MediaLabs



Each of the twelve MediaLabs is introduced to the student in a two-page spread after appropriate chapters throughout the textbook. The topics have been carefully chosen not only to interest students but also to focus on information that is timely and relevant in your daily lives. All of the necessary background information is included in the text. Once the student accesses the Companion Website, the static investigations and exercises become a dynamic and exciting discovery activity for students to actively participate in and report on, individually or in groups.

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Internet Resources in Biochemistry: Finding and Evaluating Biochemical Information 46

Chapter 4

Introduction to Molecular Modeling: The Tools and the Databases 128

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Enzyme Inhibitors: Weapons Against Disease 160

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The Bacterial Cell Wall: Distinguishing and Attacking Bacteria 262

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Membranes and Their Proteins: Specialization for Varied Functions 304

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Metabolism on the Internet: Resources for Student and Scientist 338

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Glycolysis: Variations and Defects 370

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Energetics of Movement: Not Just for the Marathon 460

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Photosynthesis: Plants Serving the Planet 488

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Nucleotide Analogs: Weapons Against Disease/Tools 594

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Mutations and Mutagenesis: Adaptations or Disasters? 664

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Genome Projects: Not Just for Humans 764

