Physical Chemistry for the Life Sciences

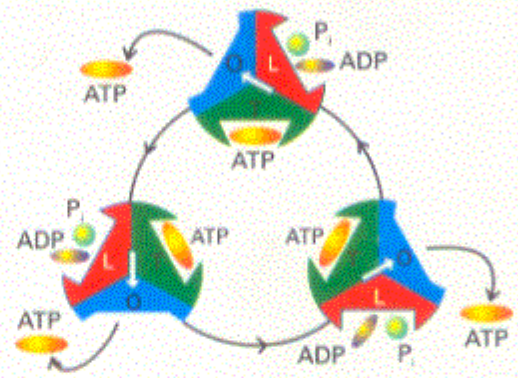
by Peter Atkins and Julio de Paula

Physical Chemistry for the Life Sciences breaks new ground by bringing the worlds of physical chemistry and the life sciences together, showing how the tools of physical chemistry are used to answer biological questions. Written specifically to meet the needs of life science majors who must master a basic level of physical chemistry, this text provides clear explanations of difficult concepts with an eye toward building insight into biochemical phenomena.

Companion Web site www.whfreeman.com/pchemls

The Web site for *Physical Chemistry for the Life Sciences* contains:

- **All art from the text in FULL COLOR,** providing students and instructors with a more visual and robust classroom experience.
- **Interactive Living Graphs,** allowing students to manipulate variables and see data in action.



A scheme depicting the mechanism of action of the enzyme ATPase, which is responsible for the biosynthesis of ATP, an important mobile carrier of energy in the cell. Details of the process are described in Chapters 5 and 8 of the text.

Solutions Manual Maria Bohorquez, Drake University,
ISBN: 0-7167-7262-0
Contains worked solutions for all problems in text.

Explorations in Physical Chemistry CD-Rom ISBN: 0-7167-0841-8.
Interactive worksheets and living graph exercises derived from the text motivate students to simulate physical chemical and biochemical phenomena using either Mathcad® or Excel. Allows students to manipulate graphics, alter simulation parameters, and solve equations to gain deeper insight into physical chemistry.

Also available for the more traditional brief physical chemistry course...
Peter Atkins and Julio de Paula *The Elements of Physical Chemistry*, Fourth Edition
ISBN: 0-7167-7329-5

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