

# Biology Study Card: Concepts & Connections

**STUDY CARD**  
for *Biology: Concepts & Connections, Fifth Edition*  
by Campbell, Reece, Taylor, and Slonson

**Chapter 1: Biology: Exploring Life**

- Levels of biological organization from molecules to the biosphere
- Biological science: a synthesis of knowledge
- Characteristics of life: order, complexity, and growth
- Emergent properties
- Evolution: the change in the inherited characteristics of populations over successive generations
- Science: a process of knowledge acquisition
- Biological research: the scientific method
- Biological ethics

**Chapter 2: The Chemical Basis of Life**

- Basic chemical elements: CHONPS
- Water: the universal solvent
- Acids and bases: pH scale
- Macromolecules: carbohydrates, lipids, proteins, nucleic acids
- Enzymes: biological catalysts

**Chapter 3: The Structure of Cells**

- Prokaryotic cells: bacteria and archaea
- Eukaryotic cells: animal and plant cells
- Cellular organelles: nucleus, mitochondria, Golgi apparatus, lysosomes, peroxisomes
- Cellular transport: diffusion, osmosis, active transport
- Cellular communication: gap junctions, plasmodesmata, cell signaling

**Chapter 4: A Tour of the Cell**

- Prokaryotic cell: structure and function
- Eukaryotic cell: structure and function
- Cellular transport: membrane transport
- Cellular communication: cell signaling

**Chapter 5: The Working Cell**

- Energy: the capacity to do work
- Metabolism: the sum of all chemical reactions
- Enzymes: biological catalysts
- Cellular respiration: the breakdown of glucose
- Photosynthesis: the synthesis of glucose

Filesize: 3.68 MB

## Reviews

*This pdf is worth buying. It is actually written in basic words and not confusing. Its been printed in an remarkably basic way in fact it is merely following i finished reading this publication through which really altered me, affect the way i really believe.*  
**(Dr. Linwood Lehner IV)**

## BIOLOGY STUDY CARD: CONCEPTS & CONNECTIONS



To download **Biology Study Card: Concepts & Connections** eBook, remember to click the hyperlink listed below and save the document or gain access to additional information that are related to BIOLOGY STUDY CARD: CONCEPTS & CONNECTIONS book.

Addison Wesley Publishing Company, 2006. Condition: New. book.



[Read Biology Study Card: Concepts & Connections Online](#)



[Download PDF Biology Study Card: Concepts & Connections](#)

## Relevant PDFs



**[PDF] Tys Beanie Babies Winter 1999 Value Guide by Inc Staff Collectors Publishing Company 1998 Paperback**

Access the link under to download "Tys Beanie Babies Winter 1999 Value Guide by Inc Staff Collectors Publishing Company 1998 Paperback" PDF document.

[Save PDF »](#)



**[PDF] Edexcel Certificate/International GCSE Biology Exam Practice Workbook (with Answers & Online Edition)**

Access the link under to download "Edexcel Certificate/International GCSE Biology Exam Practice Workbook (with Answers & Online Edition)" PDF document.

[Save PDF »](#)



**[PDF] Basic Concepts, Grade Preschool**

Access the link under to download "Basic Concepts, Grade Preschool" PDF document.

[Save PDF »](#)



**[PDF] Children s and Young Adult Literature Database -- Access Card**

Access the link under to download "Children s and Young Adult Literature Database -- Access Card" PDF document.

[Save PDF »](#)



**[PDF] Skills for Preschool Teachers, Enhanced Pearson eText - Access Card**

Access the link under to download "Skills for Preschool Teachers, Enhanced Pearson eText - Access Card" PDF document.

[Save PDF »](#)



**[PDF] Molly on the Shore, BFMS 1 Study score**

Access the link under to download "Molly on the Shore, BFMS 1 Study score" PDF document.

[Save PDF »](#)