



## Biology: Concepts and Applications without Physiology (Thomson Advantage Books)

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Cengage Learning, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. Invitation to Biology. Part I: PRINCIPLES OF CELLULAR LIFE. 2. Life's Chemical Basis. 3. Molecules of Life. 4. Cell Structure and Function. 5. Ground Rules of Metabolism. 6. Where It Starts--Photosynthesis. 7. How Cells Release Chemical Energy. Part II: PRINCIPLES OF INHERITANCE. 8. How Cells Reproduce. 9. Meiosis and Sexual Reproduction. 10. Observing Patterns in Inherited Traits. 11. Chromosomes and Human Inheritance. 12. DNA Structure and Function. 13. From DNA to Proteins. 14. Controls over Genes. 15. Studying and Manipulating Genomes. Part III: PRINCIPLES OF EVOLUTION. 16. Evidence of Evolution. 17. Microevolutionary Process. 18. Life's Origin and Early Evolution. Part IV: EVOLUTION AND BIODIVERSITY. 19. Prokaryotes and Viruses. 20. Protists--The Simplest Eukaryotes. 21. Plant Evolution. 22. Fungi. 23. Animal Evolution--The Invertebrates. 24. Animal Evolution--The Vertebrates. 25. Plants and Animals--Common Challenges. Part VII: PRINCIPLES OF ECOLOGY. 26. Population Ecology. 27. Community Structure and Biodiversity. 28. Ecosystems. 29. The Biosphere. 30. Behavioral Ecology. Appendix I: Classification System. Appendix II: Units of Measure. Appendix III: Answers to Self-Quizzes. Appendix IV: Answers to Genetic Problems. Appendix V: Molecular Models. Appendix VI: Closer Look at Some Major...



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