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Autore	Campbell Neil A. <1946-2004, >
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Nota di contenuto	Cover -- Brief Contents -- About the Authors -- Preface -- New Content -- See the Big Picture -- Make Connections Visually -- Practice Scientific Skills -- Interpret Data -- Explore the Impact of Genomics -- Study Anytime, Anywhere -- Learn Through Assessment -- Supplements -- Featured Figures -- Interviews and Contributors -- Acknowledgments -- Reviewers -- Detailed Contents -- Chapter 1 : Biology and Its Themes -- Inquiring About Life -- Concept 1.1 : The study of life reveals common themes -- Theme: New Properties Emerge at Successive Levels of Biological Organization -- Theme: Life's Processes Involve the Expression and Transmission of Genetic Information -- Theme: Life Requires the Transfer and Transformation of Energy and Matter -- Theme: From Ecosystems to Molecules, Interactions are Important in Biological Systems -- Evolution, the Core Theme of Biology -- Concept 1.2 : The Core Theme: Evolution accounts for the unity and diversity of life -- Classifying the Diversity of Life -- Charles Darwin and the Theory of Natural Selection -- The Tree of Life -- Concept 1.3 : In studying nature, scientists make observations and form and test hypotheses -- Making Observations -- Forming and Testing Hypotheses -- The Flexibility of the Scientific Process -- A Case Study in Scientific Inquiry: Investigating Coat Coloration in Mouse Populations -- Experimental Variables and Controls -- Theories in Science -- Concept 1.4 : Science benefits from a cooperative approach

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synthesis -- The Pathway of Electron Transport -- Chemiosmosis: The Energy-Coupling Mechanism.
An Accounting of ATP Production by Cellular Respiration.

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