

Life on Earth With Physiology 10th Edition

Books a la Carte are unbound, three-hole-punch versions of the textbook. This lower cost option is easy to transport and comes with the same access code or media that would be packaged with the bound book. Known for its thorough coverage of diversity, ecology, and environmental issues, this comprehensive book engages you with integrated, relevant case studies, and challenges you with thought-provoking questions throughout each chapter. This Package Contains: Study Card *Biology: Life on Earth, Ninth Edition, Books a la Carte Edition* The fully revised *Biology: Life on Earth, Ninth Edition*, has the same friendly writing style appreciated by thousands of students, but with greater emphasis on engaging, real-world applications. New to this edition are "Case Study Continued" sections, which connect a chapter's case study to relevant biological topics covered in the chapter, and "Have you ever wondered?" features that respond to commonly asked questions from students. Thoroughly revised illustrations and expanded critical thinking questions have been added to each chapter. For coverage of plant and animal anatomy & physiology, an alternate edition—*Biology: Life on Earth with Physiology, Ninth Edition*—is also available. *Biology:Life on Earth with Physiology* Pearson

An argument that we have a moral duty to colonize other planets and solar systems, and a plan for doing so. Inevitably, life on Earth will come to an end, whether by climate disaster, or by cataclysmic war, or when the sun runs out of fuel in a few billion years. To avoid extinction, will we have to find a new home planet, perhaps even a new solar system, to inhabit? In this provocative and fascinating book, Christopher Mason argues that we have a moral duty to do just that. Because we are the only species aware that life on Earth has an expiration date, we have a responsibility to act as the shepherd of lifeforms—not only for our species but for all species on which we depend and for those still to come (by accidental or designed evolution). Mason argues that the same capacity for ingenuity that has enabled us to build rockets and land on other planets can be applied to redesigning biology so that we can sustainably inhabit those planets. And he lays out a 500-year plan for undertaking the massively ambitious project of reengineering human genetics for life in other worlds.

Sturkie's Avian Physiology

Human Physiology in Extreme Environments

Life on Earth With Physiology, Books a la Carte Edition

Gaia's Body

Cells, Organisms, Populations

Life on Earth with Physiology with Mastering Biology (NASTA Edition)

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"This is a wonderful book. Frances Ashcroft has a rare gift for making difficult subjects accessible and fascinating." —Bill Bryson, author of *At Home: A Short History of Private Life* What happens during a heart attack? Can someone really die of fright? What is death, anyway? How does electroshock treatment affect the brain? What is consciousness? The answers to these questions lie in the electrical signals constantly traveling through our bodies, driving our thoughts, our movements, and even the beating of our hearts. The history of how scientists discovered the role of electricity in the human body is a colorful one, filled with extraordinary personalities, fierce debates, and brilliant experiments. Moreover, present-day research on electricity and ion channels has created one of the most exciting fields in science, shedding light on conditions ranging from diabetes and allergies to cystic fibrosis, migraines, and male infertility. With inimitable wit and a clear, fresh voice, award-winning researcher Frances Ashcroft weaves together compelling real-life stories with the latest scientific findings, giving us a spectacular account of the body electric.

Landmarks on the Pathways of Life

Life on Earth With Physiology -- Access Card

The Social Conquest of Earth

Studyguide for Biology

Singularities

Life on Earth with Physiology Value Package (Includes Study Guide)

This edition features the exact same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value—this format costs 35% less than a new textbook. Known for its thorough coverage of diversity, ecology, and environmental issues, this comprehensive book engages you with integrated, relevant case studies, and challenges you with thought-provoking questions throughout each chapter. The fully revised *Biology: Life on Earth with Physiology, Ninth Edition*, has the same friendly writing style appreciated by thousands of students, but with greater emphasis on engaging, real-world applications. New to this edition are " Case Study Continued " sections, which connect a chapter ' s case study to relevant biological topics covered in the chapter, and " Have you ever wondered? " features that respond to commonly asked questions from students. Thoroughly revised illustrations and expanded critical thinking questions have been added to each chapter. For courses not covering plant and animal anatomy & physiology, an alternate version—*Biology: Life on Earth, Ninth Edition* —is also available.

This is the Access Card for Blackboard for *Biology: Life on Earth with Physiology, Tenth Edition* and does not include the actual bound book. *Biology: Life on Earth with Physiology, Tenth Edition* continues this book's tradition of engaging non-majors biology students with real-world applications and inquiry-based pedagogy that fosters a lifetime of discovery and scientific literacy. *Biology: Life on Earth with Physiology, Tenth Edition* maintains the friendly writing style the book is known for and continues to incorporate true and relevant stories in every chapter in the form of the Case Study, Case Study Continued, and Case Study Revisited features. New to the Tenth Edition are Learning Goals and Check Your Learning, both of which help students to assess their understanding of the core concepts in biology. This new edition includes an increased focus on health science: Health Watch essays are included throughout units, and more anatomy & physiology content has been incorporated into the main narrative. Several of the popular, inquiry-based features, including Consider This and Have You Ever Wondered?, are new or refreshed. With this Tenth Edition, the authors continue to emphasize application with new or revised essays in Earth Watch, Science in Action, In Greater Depth, and Links to Everyday Life features. For coverage of plant and animal anatomy & physiology, an alternate edition — *Biology: Life on Earth with Physiology, Tenth Edition* — is also available.

If the biosphere really is a single coherent system, then it must have something like a physiology. It must have systems and processes that perform living functions. In Gaia's Body, Tyler Volk describes the environment that enables the biosphere to exist, various ways of looking at its "anatomy" and "physiology", the major biogeographical regions such as rainforests, deserts, and tundra, the major substances the biosphere is made of, and the chemical cycles that keep it in balance. He then looks at the question of whether there are any long-term trends in the earth's evolution, and examines the role of humanity in Gaia's past and future. Both adherents and skeptics have often been concerned that Gaia theory contains too much goddss and too few verifiable hypotheses. This is the book that describes, for scientists, students, and lay readers alike, the theory's firm basis in science.

The Physiology of Animal-Built Structures

Books a la Carte for Biology

Biology of Life

MasteringBiology with MasteringBiology Virtual Lab Full Suite -- Standalone Access Card -- for Biology

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The Spark of Life: Electricity in the Human Body

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New Times Bestseller From the most celebrated heir to Darwin comes a groundbreaking book on evolution, the summa work of Edward O. Wilson's legendary career. Sparking vigorous debate in the sciences, The Social Conquest of Earth upends " the famous theory that evolution naturally encourages creatures to put family first " (Discover). Refashioning the story of human evolution, Wilson draws on his remarkable knowledge of biology and social behavior to demonstrate that group selection, not kin selection, is the premier driving force of human evolution. In a work that James D. Watson calls " a monumental exploration of the biological origins of the human condition, " Wilson explains how our innate drive to belong to a group is both a " great blessing and a terrible curse " (Smithsonian). Demonstrating that the sources of morality, religion, and the creative arts are fundamentally biological in nature, the renowned Harvard University biologist presents us with the clearest explanation ever produced as to the origin of the human condition and why it resulted in our domination of the Earth ' s biosphere.

Body Heat

Physiological Systems in Insects
Biology

Study Guide for Biology

Life on Earth and Life on Earth with Physiology, Eighth Edition

Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. *Cram101* Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only *Cram101* is Textbook Specific. Accompany: 978013957664.

NOTE: This edition features the same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value—this format costs significantly less than a new textbook. Before purchasing, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. For non-majors/mixed biology courses. This package includes MasteringBiology (tm) An Inquiry Approach that engages readers in critical thinking through the use of relatable case studies and more. With a proven and effective tradition of engaging readers with real-world applications, high-interest case studies, and inquiry-based pedagogy, *Biology: Life on Earth* fosters a lifetime of discovery and scientific understanding. Maintaining the conversational, question-and-answer presentation style that has made the text a best-seller, the Eleventh Edition continues to incorporate true and relevant Case Studies throughout each chapter, along with new, more extensive guidance for developing critical thinking skills and scientific literacy. Personalize learning with MasteringBiology MasteringBiology is an online homework, tutorial, and assessment product proven to improve results by helping readers quickly master concepts. Readers benefit from self-paced tutorials that feature personalized wrong-answer feedback and hints that emulate the office-hour experience and help keep students on track. With a wide range of interactive, engaging, and assignable activities, readers are encouraged to actively learn and retain tough course concepts.

Sturkie's Avian Physiology is the classic comprehensive single volume on the physiology of domestic as well as wild birds. The Sixth Edition is thoroughly revised and updated, and features several new chapters with entirely new content on such topics as migration, genomics and epigenetics. Chapters throughout have been greatly expanded due to the many recent advances in the field. The text also covers the physiology of flight, reproduction in both male and female birds, and the immunophysiology of birds. The Sixth Edition, like the earlier editions, is a must for anyone interested in comparative physiology, poultry science, veterinary medicine, and related fields. This volume establishes the standard for those who need the latest and best information on the physiology of birds. Includes new chapters on endocrine structures, magnetoreception, genomics, proteomics, mitochondria, control of food intake, molting, stress, the avian endocrine system, bone, the metabolic demands of migration, behavior and control of body temperature Features extensively revised chapters on the cardiovascular system, pancreatic hormones, respiration, pineal gland, pituitary gland, thyroid, adrenal gland, muscle, gastro-intestinal physiology, incubation, circadian rhythms, annual cycles, flight, the avian immune system, embryo physiology and control of calcium. Stands out as the only comprehensive, single volume devoted to bird physiology Offers a full consideration of both blood and avian metabolism on the companion website (<http://booksite.elsevier.com>) 9780124071005). Tables feature hematological and serum biochemical parameters with circulating concentrations of glucose in more than 200 different types of wild birds.

Biology: Life on Earth with Physiology Plus MasteringBiology with Etex -- Access Card Package

Biology: Life on Earth with Physiology (Nasta Edition)

Science for Life, with Physiology

Instructor Resources (to Accompany) Biology

Temperature and Life on Earth

Engineering Life to Reach New Worlds

Whether you're a polar bear giving birth to cubs in an Arctic winter, a camel going days without water in the desert heat, or merely a suburbanite without air conditioning in a heat wave, your comfort and even survival depend on how well you adapt to extreme temperatures. In this entertaining and illuminating book, biopsychologist Mark Blumberg explores the many ways that temperature rules the lives of all animals (including us). He moves from the physical principles that govern the flow of heat in and out of our bodies to the many complex evolutionary devices animals use to exploit those principles for their own benefit. In the process Blumberg tells wonderful stories of evolutionary and scientific ingenuity—how penguins withstand Antarctic winters by huddling together by the thousands, how vulnerable embryos of many species are to extremes of temperature during their development, why people survive hour-long drowning accidents in winter but not in summer, how certain plants generate heat (the skunk cabbage enough to melt snow around it). We also hear of systems gone awry—how desert species given too much water can drink themselves into bloated immobility, why anorexics often complain of feeling cold, and why you can't sleep if the room is too hot or too cold. After reading this book, you'll never look at a thermostat in quite the same way again. Table of Contents: Introduction 1. Temperature: A User's Guide 2. Behave Yourself 3. Then Bake at 38.6°C! For 400,000 Minutes 4. Everything in Its Place 5. Cold New World 6. Fever: All through the Night 7. The Heat of Passion 8. Livin' off the Fat 9. The Light Goes Out Epilogue Bibliography Acknowledgments Index Reviews of this book: There's a little twinkle in Mark Blumberg's eye as he explains the role of temperature in life on Earth, that essential factor that makes books about science successful and appealing...His writing is clear, a fine balance of explanation, example and ideas. —Susan Salter Reynolds, Los Angeles Times Book Review Reviews of this book: The need to maintain body temperature within a narrow range is the biggest single influence on physiology and behaviour, as Mark Blumberg explains in this little gem of a book, *Body Heat*. Blumberg describes the exquisite mechanisms developed by different species to generate, conserve or lose body heat. —John Bonner, New Scientist Reviews of this book: This is one of those books that leaves you for a few heady days in possession of a new key to all mysteries. Writing entertainingly for a popular audience, the book argues that the evolved behaviour and physical characteristics of most creatures, from the tiniest nematode worm to the largest whale, is governed by the need to maintain a comfortable body temperature. —Emma Crichton-Miller, The Telegraph Reviews of this book: Blumberg...presents a thoroughly interesting book on body temperature and its many influences, loaded with a marvelously broad range of topics related to this of the body temperature. From structural adaptations, such as ear size, circulatory patterns, and body shape that have evolved to help maintain body temperature, to psychological effects of temperature, the physiology of fevers, and even sexual-thermal metaphors used in everyday conversation. A host of fascinating aspects of how species respond to temperature changes are also discussed...Body Heat is great reading, certain to produce an enlightened appreciation for how body temperature control is critical for all organisms...M. A. Palladino, Choice Reviews of this book: Mark S. Blumberg, in *Body Heat*, also takes the role of temperature in human affairs onto a global stage, but his metaphors, languages and conclusions are neither biblical nor prophetic. Instead he wants to remind us just how narrow our margins of tolerance are against that ultimate enemy: cold...Blumberg loves his subject, is convinced of its importance, and he wants to put across the intrinsic interest of temperature physiology to a larger audience. He retains a light touch—and because he is an active researcher in his own right, is able to bring new information and new insights to his pages. —Jonathan Kingdon, Times Literary Supplement This book is a real treat. Mark Blumberg takes something we normally hardly think about, and makes it into an fascinating topic, with colorful examples from fields as disparate as ornymology and tolerance. You probably will be repeating many of the stories he tells to those around you, as you discover why a fever may be good for you, or how babies generate their own heat, or how eating disorders interact with body temperature problems. It's entertaining, interesting, and great fun. —Michael Leon, University of California, Irvine This is an engaging enchilada of a book, wrapping up cold feet, a warm heart, hot sex, and chili peppers, for easy digestion by the general science consumer. Delicious! —Bernd Heinrich, University of Vermont, and author of *The Hot-Blooded Insects: Strategies and Mechanisms of Thermoregulation*

Publisher Description

Human Physiology in Extreme Environments is the one publication that offers how human biology and physiology is affected by extreme environments while highlighting technological innovations that allow us to adapt and regulate environments. Covering a broad range of extreme environments, including high altitude, underwater, tropical climates, and desert and arctic climates as well as space travel, this book will include case studies for practical application. Graduate students, medical students and researchers will find Human Physiology in Extreme Environments an interesting, informative and useful resource for human physiology, environmental physiology and medical studies. Presents human physiological challenges in Extreme Environments combined in one single resource Provides an excellent source of information regarding paleontological and anthropological aspects Offers practical medical and scientific use of current concepts

Books a la Carte Plus for Biology: Life on Earth with Physiology

The Next 500 Years

Pearson Etext Biology

Life on Earth

Toward a Physiology of Earth

Life on Earth With Physiology + Biological Explorations: a Human Approach

Biology of Life: Biochemistry, Physiology and Philosophy provides foundational coverage of the field of biochemistry for a different angle to the traditional biochemistry text by focusing on human biochemistry and incorporating related elements of evolution to help further contextualize this dynamic space. This unique approach includes sections on early human development, what constitutes human life, and what makes it special. Additional coverage on the differences between the biochemistry of prokaryotes and eukaryotes is also included. The center of life in prokaryotes is considered to be photosynthesis and sugar generation, while the center of life in eukaryotes is sugar use and oxidative phosphorylation. This unique reference will inform specialized biochemistry courses and researchers in their understanding of the role biochemistry has in human life. Contextualizes the field of biochemistry and its role in human life Includes dedicated sections on human reproduction and human brain development Provides extensive coverage on biochemical enzymes, oxidative phosphorylation, photosynthesis, and carbon monoxide-acetate pathways

For non-majors/mixed biology courses. An Inquiry Approach that engages students in critical thinking through the use of relatable case studies and more. With a proven and effective tradition of engaging readers with real-world applications, high-interest case studies, and inquiry-based pedagogy, *Biology: Life on Earth* fosters a lifetime of discovery and scientific understanding. Maintaining the conversational, question-and-answer presentation style that has made the text a best-seller, the Eleventh Edition continues to incorporate true and relevant Case Studies throughout each chapter, along with new, more extensive guidance for developing critical thinking skills and scientific literacy. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.

Physiological Systems in Insects discusses the roles of molecular biology, neuroendocrinology, biochemistry, and genetics in our understanding of insects. All chapters in the new edition are updated, with major revisions to those covering swiftly evolving areas like endocrine, developmental, behavioral, and nervous systems. The new edition includes the latest details from the literature on hormone receptors, behavioral genetics, insect genomics, neural integration, and much more. Organized according to insect physiological functions, this book is fully updated with the latest and foundational research that has influenced understanding of the patterns and processes of insects and is a valuable addition to the collection of any researcher or student working with insects. There are about 10 quintillion insects in the world divided into more than one million known species, and some scientists believe there may be more than 30 million species. As the largest living group on earth, insects can provide us with insight into adaptation, evolution, and survival. The internationally respected third edition of Marc Klodwenn's standard reference for entomologists and researchers and textbook for insect physiology courses provides the most comprehensive analysis of the systems that make insects important contributors to our environment. Third edition has been updated with new information in almost every chapter and new figures Includes an extensive up-to-date bibliography in each chapter Provides a glossary of common entomological and physiological terms

What the Laws of Biology Tell Us About the Destiny of the Human Species

Life

Life on Earth with Physiology

Life on Earth with Physiology, 9th Ed. [by] Audesirk, Audesirk, Byers

Biology: Pearson New International Edition

Mastering Biology

On the structures that animals build—from the humble burrows of earthworms to towering termite mounds to the Great Barrier Reef—be said to live? However counterintuitive the idea might first seem, physiological ecologist Scott Turner demonstrates in this book that many animals construct and use structures to harness and control the flow of energy from their environment to their own advantage. Building on Richard Dawkins's classic, *The Extended Phenotype*, Turner shows why drawing the boundary of an organism's physiology at the skin of the animal is arbitrary. Since the structures animals build undoubtedly do physiological work, capturing and channeling chemical and physical energy, Turner argues that such structures are more properly regarded not as frozen behaviors but as external organs of physiology and even extensions of the animal's phenotype. By challenging dearly held assumptions, a fascinating new view of the living world is opened to us, with implications for our understanding of physiology, the environment, and the remarkable structures animals build.

Coleen Belk and Virginia Borden Maier have helped students demystify biology for nearly twenty years in the classroom and nearly ten years with their book, *Biology: Science for Life with Physiology*. In the new Fourth Edition, they continue to use stories and current issues, such as discussion of cancer to teach cell division, to connect biology to student's lives. Learning Outcomes are new to this edition and integrated within the book to help professors guide students' reading and to help students assess their understanding of biology. A new Chapter 3, "Is It Possible to Supplement Your Way to Better Health? Nutrients and Membrane Transport," offers an engaging storyline and focused coverage on micro- and macro-nutrients, antioxidants, passive and active transport, and exocytosis and endocytosis. This package contains: *Biology: Science for Life with Physiology, Fourth Edition*

For non-majors/mixed biology courses. The most comprehensive coverage at the most affordable price for non-majors biology! With a proven and effective tradition of engaging readers with real-world applications, high-interest case studies, and inquiry-based pedagogy, *Biology: Life on Earth* fosters discovery and scientific understanding that students can use throughout their lives. *Engaging Case Studies* throughout each chapter and thoughtful pedagogy help students develop critical thinking and scientific literacy skills. The 12th Edition offers the most comprehensive coverage at the most affordable price for the non-majors biology student. This loose-leaf edition maintains its conversational, question-and-answer presentation style that has made it a best-seller. The new edition expands its focus on the process of science with new *Doing Science* boxes throughout the text that walk students through the scientific process, and interactive *Doing Science* coaching activities in *Mastering Biology*. The text also provides *Think Deeper* questions that give instructors guidance for starting classroom discussions that promote critical thinking. Also available as a *Pearson eText* or packaged with *Mastering Biology: Pearson eText is a simple-to-use, mobile-optimized, personalized reading experience that can be adopted on its own as the main course material. It lets students highlight, take notes, and review key vocabulary all in one place, even when offline. Seamlessly integrated videos and other rich media engage students and give them access to the help they need, when they need it. Educators can easily share their own notes with students so they see the connection between their eText and what they learn in class -- motivating them to keep reading, and keep learning. If your instructor has assigned Pearson eText as your main course material, search for: 0135242924 / 9780135242926 *Pearson eText Biology: Life on Earth with Physiology -- Access Card*, 12/e OR 0135242935 / 9780135213834 *Pearson eText Biology: Life on Earth with Physiology -- Instant Access*, 12/e Also available with *Mastering Biology* By combining trusted author content with digital tools and a flexible platform, *Mastering* personalizes the learning experience and improves results for each student.Built for, and directly tied to the text, *Mastering Biology* enables an extension of learning allowing students a platform to practice, learn, and apply outside of the classroom. You would like to purchase both the physical text and Mastering Biology, search for: 0133261481 / 9780133261484 *Biology: Life on Earth with Physiology Plus Mastering Biology with Pearson eText -- Access Card Package* consists of: 0134813448 / 9780134813448 *Biology: Life on Earth with Physiology* 0321989732 / 9780321989734 *Mastering Biology with Pearson eText -- ValuePack Access Card -- for Biology: Life on Earth with Physiology* Note: You are purchasing a standalone book; *Pearson eText and Mastering ASP do not come packaged with this content. Students, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information.**

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Life on Earth & Study Card

Student Study Guide for Biology

A Natural History of the Future

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Biology: Life on Earth with Physiology, Global Edition

Over the past century, our species has unleashed technological innovations with which we have sought to control nature. From river levees to enormous one-crop fields, we continue to try to reshape nature for our purposes - so much so it seems we are in danger of destroying it. In *A Natural History of the Future*, biologist Rob Dunn argues that nothing could be further from the truth: rather than asking whether nature will survive us, better to ask whether we will survive nature. Despite our best - or worst - efforts to control the biological world, life has its own rules, and no amount of human tampering can rewrite them. Elucidating several fundamental laws of ecology, evolution, and biogeography, Dunn shows why life cannot be stopped. We sequester our crops on monocultured fields, only to find new life emerging to attack them. We dump toxic waste only to find microbes to colonize it. And even in the London Tube, we have seen a new species of mosquito emerge to take advantage of an apparently inhospitable habitat. Life will not be repressed by our best-laid plans. Instead, Dunn shows us a vision of the biological future and the challenges the next generations could face. *A Natural History of the Future* sets a new standard for understanding the diversity of life and our future as a species.

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included throughout units, and more anatomy & physiology content has been incorporated into the main narrative. Several of the popular, inquiry-based features, including Consider This and Have You Ever Wondered?, are new or refreshed. With this Tenth Edition, the authors continue to emphasize application with new or revised essays in Earth Watch, Science in Action, In Greater Depth, and Links to Everyday Life features. For coverage of plant and animal anatomy & physiology, an alternate edition-- Biology: Life on Earth with Physiology, Tenth Edition--is also available. This package contains: Standalone Access Code Card for MasteringBiology with MasteringBiology Virtual Lab for Biology: Life on Earth, Tenth Edition

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Life on Earth with Physiology by Al., Audesirk Et, ISBN 9780131957664

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