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An introduction to key
concepts in the field of
biology, covering such

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topics as the cell,
evolution, comparative
animal biology, and
behavioral ecology.
Includes chapter
summaries, key terms,
and review questions.

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Scientific philosophers examine the nature and significance of levels of organization, a core structural principle in the biological sciences. This volume examines the

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idea of levels of organization as a distinct object of investigation, considering its merits as a core organizational principle for the

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scientific image of the natural world. It approaches levels of organization--roughly, the idea that the natural world is segregated into part-

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whole relationships of
increasing
spatiotemporal scale and
complexity--in terms of
its roles in scientific
reasoning as a dynamic,
open-ended idea capable

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of performing multiple overlapping functions in distinct empirical settings. The contributors--scientific philosophers with longstanding ties to the

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biological
sciences--discuss topics
including the
philosophical and
scientific contexts for
an inquiry into levels;
whether the concept can

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actually deliver on its
organizational promises;
the role of levels in
the development and
evolution of complex
systems; conditional
independence and

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downward causation; and the extension of the concept into the sociocultural realm. Taken together, the contributions embrace the diverse usages of

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the term as aspects of
the big picture of
levels of organization.
Contributors Jan Baedke,
Robert W. Batterman,
Daniel S. Brooks, James
DiFrisco, Markus I.

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Eronen, Carl Gillett,
Sara Green, James
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Angela Potochnik, Thomas
Reydon, Ilya Tëmkin, Jon
Umerez, William C.
Wimsatt, James Woodward

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Renowned for her effective learning systems, respected author Sylvia Mader has helped thousands of entry-level students understand and enjoy the

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principles of human
anatomy and physiology.
Beginning with the sixth
edition, Susannah
Longenbaker has been
building on Dr. Mader's
format and engaging

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writing style while adding her own personal touch to this successful title. The writing is clear, direct and user-friendly, and enriched with new clinical

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information, terminology
and classroom-tested
features such as "Focus
on Forensics" readings
and in-text "Content
Check-Up" questions.
Drawing on over twenty

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years of teaching
experience, Sue
Longenbaker writes for
the next generation of
students that will learn
anatomy and physiology
from this classic

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textbook.

Loose Leaf Version for
Mader's Understanding
Human Anatomy &
Physiology

The Science of Biology
Glencoe Biology, Student

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Edition

ZOOLOGY

Mader's Understanding Human Anatomy and Physiology continues to be the perfect text for a one-semester course, because it was designed for this audience from the very first edition. The text is celebrating its

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tenth anniversary with a complete facelift, which I believe makes the content even more approachable, user friendly and exciting. Each chapter now begins with an infographic that details fascinating facts about the chapter's subject.

THE MADER/WINDELSPECHT
STORY...The thirteenth edition of Biology

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is a traditional, comprehensive introductory biology textbook, with coverage from Cell Structure and Function to the Conservation of Biodiversity. The book, which centers on the evolution and diversity of organisms, is appropriate for any one- or two-semester biology course. Biology, 13th

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Edition is the epitome of Sylvia Mader's expertise. Its concise, precise writing-style employs lucid language to present the material as succinctly as possible, enabling students—even non-majors—to master the foundational concepts before coming to class. "Before You Begin", "Following the Themes", and "Thematic

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Feature Readings" piece together the three major themes of the text—evolution, nature of science, and biological systems. Students are consistently engaged in these themes, revealing the interconnectedness of the major topics in biology. Sylvia Mader typifies an icon of science education. Her dedication to her students,

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coupled with her clear, concise writing-style has benefited the education of thousands of students over the past three decades. The integration of the text and digital world has been achieved with the addition of Dr. Michael Windelspecht's facility for the development of digital learning assets. For over ten years,

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Michael served as the Introductory Biology Coordinator at Appalachian State University—a program that enrolls over 4,500 non-science majors annually.

Michael is the lead architect in the design of McGraw-Hill's Connect media content for the Mader series. These assets allow instructors to easily design interactive

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tutorial materials, enhance presentations in both online and traditional environments, and assess the learning objectives and outcomes of the course. Biology of Life: Biochemistry, Physiology and Philosophy provides foundational coverage of the field of biochemistry for a different angle to the traditional

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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

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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

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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 energetics, oxidative

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phosphorylation, photosynthesis, and
carbon monoxide-acetate pathways

Laboratory Manual

Concepts of Biology

Inquiry Into Life

ISE Biology

**Renowned for her effective
learning systems,**

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respected author Sylvia Mader has helped thousands of entry-level students understand and enjoy the principles of human anatomy and physiology. Now, Susannah Longenbaker

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is building on Dr. Mader's format and engaging writing style while adding her own personal touch to this successful title. The writing is still clear, direct and user-friendly,

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but is now enriched with
new clinical information,
terminology and classroom-
tested features such as
"Focus on Forensics"
readings and in-text
"Content Check-Up"

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questions. Drawing on over
twenty years of teaching
experience, Sue
Longenbaker writes for the
next generation of
students that will learn
anatomy and physiology

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from this classic
textbook.

Authoritative, thorough,
and engaging, *Life: The
Science of Biology*
achieves an optimal
balance of scholarship and

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teachability, never losing sight of either the science or the student. The first introductory text to present biological concepts through the research that revealed

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them, Life covers the full range of topics with an integrated experimental focus that flows naturally from the narrative. This approach helps to bring the drama of classic and

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cutting-edge research to
the classroom - but always
in the context of
reinforcing core ideas and
the innovative scientific
thinking behind them.
Students will experience

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biology not just as a
litany of facts or a
highlight reel of
experiments, but as a
rich, coherent discipline.
How do you make a great
text even better? By

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creating new art and
photographs and enhancing
the multimedia and
supplements package. The
new seventh edition
of Biology by best-selling
author/expert Sylvia

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Mader, has integrated outstanding new elements giving it a quality unmatched by any other biology text. With its complete, comprehensive coverage of core biology

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concepts, students at all levels will benefit from its use. For more than 20 years Dr. Mader has successfully helped students learn the structure and function of

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the human body. A brilliant and prolific writer, Dr. Mader was a respected and well-loved biology instructor before she began her writing career. Her descriptive

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writing style, carefully constructed pedagogy, and accent on key terms and concepts provides students with a firm grasp on how their bodies function. In her twenty-year career

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with McGraw-Hill, she has written an impressive collection of textbooks including Inquiry into Life, tenth edition, Human Biology, seventh edition, and Understanding Human

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Anatomy and Physiology,
third edition. Throughout
the years, her goal
remains the same—"to give
students what they need to
best understand biology."
This text is color

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customizable so you can
create a text that fits
your course perfectly.

MADERS UNDERSTANDING HUMAN

a and P 10E

Critical Essays

Lab Manual for Mader

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Biology

Glencoe Health

Traditions & Encounters

offers an inclusive vision
of the global past—one
that is meaningful and
appropriate for the

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interdependent world of
contemporary times. Given
the diversity of human
societies, gathering and
organizing the sheer mass
of information in a
meaningful way is a

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daunting challenge for any world history survey course. The seven-part chronological organization enables students to understand the development of the world through time,

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while also exploring broader, big-picture thematic issues in world history. Through new and revised chapter-level and part-level features, the hallmark twin themes of

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traditions and encounters
emerge in greater clarity
than ever before in this
sixth edition. As a
result, students have
resources that enable them
to move beyond the facts

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of history and examine the past critically, analyze causes and effects, and recognize similarities and differences across world regions and time periods. By digging deeper into the

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implications of world
history's stories—not just
the who, the what, and the
where, but also the why
and the how—students can
make sense of the human
past. Connect is the only

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integrated learning system
that empowers students by
continuously adapting to
deliver precisely what
they need, when they need
it, and how they need it,
so that your class time is

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more engaging and
effective.

Biology is a traditional,
comprehensive introductory
biology textbook, with
coverage from cell
structure and function to

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the conservation of biodiversity. The book, which centers on the evolution and diversity of organisms, is appropriate for any one-or two-semester biology course.

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Biology uses concise,
precise writing to present
the material as succinctly
as possible, enabling
students--even non-
majors--to master the
foundational concepts

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before coming to class.
Biology is a comprehensive
introductory biology
textbook that covers
biology in a traditional
order, from the structure
and function of the cell

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to the organization of the biosphere. The book centers on the evolution and diversity of organisms. It s no wonder that Sylvia Mader s Biology continues to be a

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text that is appreciated as much by teachers as it is by the students who use it. The tenth edition is the epitome of Mader's expertise: Its concise, precise writing uses an

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economy of words to
present the material as
succinctly and clearly as
possible, thereby enabling
students to understand the
concepts without
necessarily asking the

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teacher to explain
further. Includes Print
Student Edition
Human Biology
Vertebrate Biology
Biology, AP Achiever Test
Prep

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Barron's SAT Subject Test Biology E/M

BiologySemBiologyMcGraw-Hill
Education

Includes print student edition
"The 10th edition of Zoology
continues to offer students an

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introductory general zoology text that is manageable in size and adaptable to a variety of course formats."--Provided by publisher
Biology of Life
Loose Leaf for Essentials of
Biology

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Levels of Organization in the
Biological Sciences

Student Study Guide to
Accompany Human Biology,
Tenth Edition

***The Mader/Windelspecht Story:
Biology is a comprehensive***

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introductory biology textbook for non-majors or mixed-majors courses that covers biology in a traditional order from the structure and function of the cell to the organization of the biosphere. The book, which centers on the evolution and

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diversity of organisms, is appropriate for a one- or two-semester course. The eleventh edition is the epitome of Mader's expertise: Its concise, precise writing uses an economy of words to present the material as succinctly and clearly as possible,

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thereby enabling students -- even non-majors -- to understand the concepts without necessarily asking the instructor to explain further. Sylvia Mader represents one of the icons of science education. Her dedication to her students, coupled with her clear,

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concise writing style has benefited the education of thousands of students over the past three decades. Dr. Michael's Windelspecht: The integration of text and the digital world are now complete with the addition of Michael's Windelspecht's

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expertise in the development of digital learning assets. For over ten years, Michael served as the Introductory Biology Coordinator at Appalachian State University, in Boone NC where he directed a program that enrolls over 4,500 non-science majors annually.

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Michael has acted as the leading architect in the design of the Mader media content for McGraw-Hill's ConnectPlus and LearnSmart. These assets allow instructors to easily design interactive tutorial materials, enhance presentations in both

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the online and traditional environments, and assess the learning objectives and outcomes of your course. Users who purchase Connect Plus receive access to the full online ebook version of the textbook. This updated edition prepares

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***students to succeed on the SAT
Subject Test in Biology E/M
(Ecology and Molecular). This
comprehensive manual presents:
A short diagnostic test Two full-
length Biology E/M practice tests
All test questions answered and
explained A test overview and an***

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extensive subject review of all topics covered on the exam More than 350 additional practice questions with answers The practice tests reflect the actual test in format and degree of difficulty. BONUS ONLINE PRACTICE TESTS: Students who

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***purchase this book will also get
FREE access to two additional full-
length online SAT Biology
Subject Tests with all questions
answered and explained. The
online exams can now be easily
accessed by computer, tablet, and
smartphone.***

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Essentials of Biology, sixth edition is designed to provide students who are not majoring in science with a fundamental understanding of the science of biology. Even though these students are not scientists, an understanding of how science can

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help identify, analyze, and offer solutions to the many challenges facing human society is critical to our species' health and survival.

***Mader, Biology © 2010, 10e,
Student Edition (Reinforced
Binding)***

Biochemistry, Physiology and

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Philosophy

Biology

Instructors consistently ask for a textbook that helps students understand the relationships between the main concepts of

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biology, so they are not learning facts about biology in isolation. Mader's Concepts of Biology was developed to fill this void. Organized around the main themes of biology, Concepts of Biology guides students to think

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conceptually about biology and the world around them. Just as the levels of biological organization flow from one level to the next, themes and topics in Concepts of Biology are tied to one another throughout the

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chapter, and between the chapters and parts. Combined with Dr. Mader's hallmark writing style, exceptional art program, and pedagogical framework, difficult concepts become easier to understand and visualize,

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allowing students to focus on understanding how the concepts are related.

Ecopoetics and the Global Landscape: Critical Essays is a collection of trans-national essays on the intersection of ecopoetics

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and foundational theoretical issues within ecocriticism, such as environmental justice, indigenous studies, animal studies, new materialism, as well as the local and global.

CORRELATED TO THE

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NATIONAL HEALTH
EDUCATION STANDARDS,
THIS IS THE PROGRAM YOU
CAN TRUST! This well-respected
program gives your students the
skills they need to stand up to
peer pressure, avoid risky

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behaviors, and develop the resilience they need to handle the changes they'll face during their school years...and throughout their lives.

Biology with ESP and OLC
Passcard

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Loose Leaf for Biology
Lab Manual for Maders Biology
Essentials of Biology

Instructors consistently ask for
a Human Biology textbook that
helps students understand the
main themes of biology

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through the lens of the human body. Mader's Human Biology accomplishes the goal of improving scientific literacy, while establishing a foundation of knowledge in human biology and physiology. The text

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integrates a tested, traditional learning system with modern digital and pedagogical approaches designed to stimulate and engage today's student. Dr. Michael Windelspecht represents the

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new generation of digital authors. Through the integration of an array of multimedia resources, Michael has committed to delivering the tried-and-true content of the Mader series to the new

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generation of digital learners. A veteran of the online, hybrid, and traditional teaching environments, Michael is well-versed in the challenges facing the modern student and educator.

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Essentials of Biology is an introductory biology text for non-major students that can be used in a one- or two-semester course. It was prepared to provide non-science majors with a fundamental

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understanding of the science of biology. The overall focus of this edition addresses the learning styles of modern students, and in the process, increases their understanding of the importance of science in

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their lives. It was prepared to engage today's students in the science of biology by providing a fundamental understanding of life. Digital resources and Connections boxes encourage the student to integrate

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scientific concepts into their lives. Essentials of Biology is fully integrated into McGraw-Hill's adaptive learning and Connect platforms, and is associated with a number of online assets that allow

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instructors to use this text as a content foundation for traditional, online, hybrid and "flipped" classrooms.

Arranged logically to follow the typical course format, Vertebrate Biology leaves

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students with a full understanding of the unique structure, function, and living patterns of the subphylum that includes our own species. Ecopoetics and the Global Landscape

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Shier, Hole's Essentials of Human Anatomy & Physiology
© 2015, 12e, Student Edition
(Reinforced Binding)

Traditions & Encounters: A Global Perspective on the Past
Mader's Understanding Human

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Anatomy & Physiology

AP Achievers are Advanced
Placement* Exam preparation
guide with advice and tips from
experienced AP* Exam
contributors and readers. They
offer more support than any*

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other prep guide. There are two complete timed practice exams with detailed answers and model essays. The AP Achievers parallel the organization of the leading college textbook and are accompanied by free access

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to useful resources on the McGraw-Hill Online Learning Centers. The AP Achiever that accompanies Mader's Biology, Tenth Edition, contains chapter introductions correlating the content of the text to the AP**

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exam, the Take Note feature highlighting specific concepts from the text that are important to the AP exam, and two complete practice AP* exams. Renowned for her effective learning systems, respected*

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author Sylvia Mader has helped thousands of entry-level students understand and enjoy the principles of human anatomy and physiology. Mader expertly weaves up-to-date informative content with

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effective learning systems, piecing together the facts and fascination of human anatomy and physiology. With the fifth edition of Understanding Human Anatomy and Physiology, your introductory, one-semester

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students have the opportunity to experience an effective blend of up-to-date, informational content with several new features and an extensively enhanced multimedia support system.

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Mader's Understanding Human Anatomy and Physiology continues to be the perfect text for a one-semester course, because it was designed for this audience from the very first edition. The text is celebrating

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its tenth anniversary with a complete facelift, which I believe makes the content even more approachable, user friendly and exciting. Each chapter now begins with an infographic that details

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*fascinating facts about the
chapter's subject.*

*Lab Manual for Essentials of
Biology*

*Loose Leaf for Human Biology
Life*

Understanding Human Anatomy

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and Physiology

Concepts of Biology is designed for the single-semester introduction to biology course for non-science majors, which for many students is their only college-level science course. As such, this course

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represents an important opportunity for students to develop the necessary knowledge, tools, and skills to make informed decisions as they continue with their lives. Rather than being mired down with facts and vocabulary,

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the typical non-science major student needs information presented in a way that is easy to read and understand. Even more importantly, the content should be meaningful. Students do much better when they understand why

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biology is relevant to their everyday lives. For these reasons, Concepts of Biology is grounded on an evolutionary basis and includes exciting features that highlight careers in the biological sciences and everyday applications of the

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concepts at hand. We also strive to show the interconnectedness of topics within this extremely broad discipline. In order to meet the needs of today's instructors and students, we maintain the overall organization and coverage found in

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most syllabi for this course. A strength of Concepts of Biology is that instructors can customize the book, adapting it to the approach that works best in their classroom. Concepts of Biology also includes an innovative art program that

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incorporates critical thinking and clicker questions to help students understand--and apply--key concepts.