

Biology Peter Raven

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.

Accompanys: 9780077350024 9780073532226
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Une approche moderne centrée sur l'évolution, sur la diversité et sur la biologie cellulaire L'évolution et la diversité du monde du vivant sont les principes de base de l'ouvrage que les auteurs considèrent comme des faits dont il convient de comprendre les fondements scientifiques. Cette approche est le fil directeur que l'on retrouve tout au long des 57 chapitres, structurés en 8 parties : Origine de la vie Biologie cellulaire Génétique et biologie moléculaire Évolution Diversité de la vie terrestre Morphologie et physiologie des plantes Morphologie et physiologie des animaux Écologie et comportement Biologie a été le premier ouvrage de ce type à présenter un chapitre sur la communication cellulaire. La 7e édition perpétue cette tradition d'innovation puisque les auteurs ont incorporé des sujets comme la structure de l'ATP synthétase, les petits ARN et l'édition de l'ARN. Un nouveau chapitre est intégralement consacré à la génomique. Les auteurs mettent l'accent sur la biologie cellulaire et le développement. Les aspects moléculaires sont largement traités. Toutes les explications sont à la pointe des connaissances actuelles, sur le plan biochimique et génétique. L'importance des données expérimentales Le rôle de l'expérimentation est mis en avant dans l'étude des phénomènes évolutifs. Les auteurs ont sélectionné dans

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chaque discipline biologique les données essentielles et les expériences clés ayant mené aux principales découvertes. Un style clair, une présentation agréable, une pédagogie intéressante Un autre atout de cet ouvrage est la qualité didactique. Les auteurs partent des faits, des observations, pour aller ensuite aux explications de ce qui a été observé, permettant ainsi à l'étudiant d'assimiler chaque processus et de stimuler la réflexion et le raisonnement. Une référence internationale depuis plus de vingt ans Une approche fondée sur l'évolution et la biodiversité Une large place accordée à l'expérimentation Une iconographie incomparable : plus de 2 000 photos et illustrations Une pédagogie actuelle et adaptée aux étudiants Une maquette claire, simple, permettant de comprendre, d'apprendre et de mémoriser plus facilement Un glossaire de plus de 800 termes

Overview A concise and engaging biology text for biology majors, Understanding Biology partnered with Connect emphasizes fundamentals concepts to help students better understand biology and focus on developing scientific skills. Condensed chapters are centered on a learning path that serves to connect concepts within a chapter. The learning path begins with learning outcomes, which help students understand the core skills and concepts they should develop. Inquiry and Analysis cases help students build scientific skills, while scaffold end of chapter assessment ensures they not only grasp core concepts, but can also critically analyze and apply what they've learned. "Connecting the Concepts," a synthesis feature that ends every part, helps students understand the connections between biological concepts, thus helping them "see" the big picture.

The ninth edition of this text provides a clear and accessible overview of the key topics in biology, placing the emphasis on evolution and scientific inquiry.

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Long acclaimed as the definitive introductory botany text for majors, "Biology of Plants" is especially known for its comprehensive coverage and its magnificent art program. The new edition offers a wealth of new information, especially in the areas of taxonomy, genomics, plant hormones, and Arabidopsis research.

Biologie der Pflanzen gibt einen umfassenden Überblick über das aktuelle Grundwissen der Botanik - einschließlich Viren, Prokaryoten, Pilze und Protisten. Kompetent und anschaulich wird der Leser von den renommierten Autoren durch den umfangreichen Lesestoff geführt. Biologie der Pflanzenzelle, Diversität, Genetik und Evolution, Wachstum und Entwicklung, Struktur und Funktion sowie Physiologie und Ökologie bilden die Schwerpunkte der Betrachtungen. Die 4. Auflage dieses Klassikers der botanischen Fachliteratur berücksichtigt die neuesten wissenschaftlichen Erkenntnisse. Sie wurde vor allem ergänzt durch: die neuesten Methoden der Molekularbiologie zur Untersuchung von Pflanzen, grundlegend neue Erkenntnisse zur Evolution der Angiospermen, wesentliche Änderungen in der Klassifikation der

Protista und der samenlosen Gefäßpflanzen, aktuelle Informationen über Pflanzenhormone aus der Arabidopsis-Forschung. Die vorliegende gründliche Überarbeitung beinhaltet ferner Umstellungen in der Präsentation des Stoffes sowie eine Straffung des Textes. Abgerundet wird das Lehrbuch durch die bewährt aufwändige Bebilderung, eine ausgereifte Didaktik mit Verständnisfragen und einem umfangreichen, aktualisierten Glossar. Für das amerikanische Bachelorstudium konzipiert, bietet der „Raven“ effektive und zielgerichtete Prüfungsvorbereitung in Haupt- und Nebenfach (Diplom-, Bachelor- oder Masterstudium).

Committed to Excellence. This edition continues the evolution of Raven & Johnson's Biology. The author team is committed to continually improving the text, keeping the student and learning foremost. We have integrated new pedagogical features to guide the student through the learning process. This latest edition of the text maintains the clear, accessible, and engaging writing style of past editions with the solid framework of pedagogy that highlights an emphasis on evolution and scientific inquiry that have made this a leading textbook for students majoring in biology. This emphasis on the organizing power of evolution is combined with an integration of the importance of cellular, molecular biology and genomics to offer our readers a text that is student

friendly and current. Our author team is committed to producing the best possible text for both student and faculty. The lead author, Kenneth Mason, University of Iowa, has taught majors biology at three different major public universities for more than fifteen years. Jonathan Losos, Harvard University, is at the cutting edge of evolutionary biology research, and Susan Singer, Carleton College, has been involved in science education policy issues on a national level. Users who purchase Connect Plus receive access to the full online ebook version of the textbook.

Giving students an overview of the principles of biological processes and the working of the biosphere prepares them to understand the form and function of organisms. The text presents a progression of basic principles, which gives students the information needed to understand the basic properties of all living things ... Evolution [is] the major theme of [the book].-Pref.

Committed to Excellence in the Eleventh Edition. This edition continues the evolution of Raven & Johnson's Biology. The author team is committed to continually improving the text, keeping the student and learning foremost. The integrated pedagogical features expand the students' learning process and enhance their learning experience. This latest edition of the text maintains the clear, accessible, and engaging writing style of past editions with the solid framework of pedagogy that highlights an emphasis

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BiologyBiologie der Pflanzende Gruyter

Long acclaimed as the definitive introductory botany text, Raven Biology of Plants, Eighth Edition by Ray Evert, Susan Eichhorn, stands as the most significant revision in the book's history. Every topic was updated with information obtained from the most recent primary literature, making the book valuable for both students and professionals.

Committed to Excellence in the Landmark Tenth Edition. This edition continues the evolution of Raven & Johnson's Biology. The author team is committed to continually improving the text, keeping the student and learning foremost. We have integrated new pedagogical

features to expand the students' learning process and enhance their experience in the ebook. This latest edition of the text maintains the clear, accessible, and engaging writing style of past editions with the solid framework of pedagogy that highlights an emphasis on evolution and scientific inquiry that have made this a leading textbook for students majoring in biology and have been enhanced in this landmark Tenth edition. This emphasis on the organizing power of evolution is combined with an integration of the importance of cellular, molecular biology and genomics to offer our readers a text that is student friendly and current. Our author team is committed to producing the best possible text for both student and faculty. The lead author, Kenneth Mason, University of Iowa, has taught majors biology at three different major public universities for more than fifteen years. Jonathan Losos, Harvard University,, is at the cutting edge of evolutionary biology research, and Susan Singer, Carleton College,, has been involved in science education policy issues on a national level. All three authors bring varied instructional and content expertise to the tenth edition of Biology.

Alles was Du über die Botanik wissen muß! Das Buch spiegelt die modernen Pflanzenwissenschaften wider, wie sie in einer zeitgemäßen Hochschulausbildung vermittelt werden. Hervorragend didaktisch aufbereitet: - 900 Abbildungen und Formelschemata veranschaulichen den Text. - Orange gerahmte Boxen gliedern spezielle Sachverhalte aus dem Grundtext aus. - Grüne Plus-Boxen enthalten weiterführende Details und vertiefendes Wissen

BIOLOGY is an authoritative majors textbook focusing on evolution as a unifying theme. Volume I covers Chemistry, Cell Biology, and Genetics; Volume II covers Plant and Animal Biology; and Volume III covers Evolution, Diversity, and Ecology. BIOLOGY is distinguished from other texts by its strong emphasis on natural selection and the evolutionary process that explains biodiversity. The new 8th edition continues that tradition and advances into modern biology by featuring the latest in cutting edge content reflective of the rapid advances in biology. That same modern perspective was brought into the completely new art program offering readers a dynamic, realistic, and accurate, visual program.

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Biology focuses on evolution as a unifying theme. In revising the text, McGraw-Hill consulted with numerous users, noted experts and professors in the field. Biology is distinguished from other texts by its strong emphasis on natural selection and the evolutionary process that explains biodiversity. The new 8th edition continues that tradition and advances into modern biology by featuring the latest in cutting edge content reflective of the rapid advances in biology. That same modern perspective was

brought into the completely new art program offering readers a dynamic, realistic, and accurate, visual program. Entirely NEW Visual Program! The entire art program was redone involving a variety of specialists, artists, and medical illustrators who worked very closely with the author team to provide a phenomenal visual program for readers. This new art program focuses on providing images that focus on difficult concepts and provide a clear, consistent, accurate and easy-to-follow visual explanation. Experimental Focus -- Another theme of Biology is that knowledge arises from experimental work that moves us forward. The use of historical and experimental approaches throughout allow the student to not only see where the field is now, but more importantly, how we arrived there. The authors have tried to keep as much historical context as possible and provide information within an experimental framework throughout the text. Strengthened Evolutionary Emphasis -- From the inception of Biology, evolution has been the underlying theme of the text. The Eighth edition has been written with an even greater focus on evolution, with a significant increase of coverage at the molecular level, a good example is the two new chapters dedicated to molecular evolution. This emphasis creates more depth, balancing the amount of evolutionary coverage throughout. Includes print student edition Biology, an authoritative text with a diverse author team, focuses on the process of evolution to explain biodiversity. The book emphasizes problem-solving and the scientific method in its approach to cutting-edge content. The use of historical and experimental

approaches offers students not only a current view of the field, but more importantly, how it evolved. The authors have tried to keep as much historical context as possible and provide information within an experimental framework throughout the text.

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Ce livre est une référence majeure pour les étudiants et enseignants en SVT. Très didactique, il propose une approche progressive et complète de cette discipline en constante évolution. Cette 5e édition française -adaptation de l'édition américaine Biology, de Peter Raven- est reconnue comme une référence en la matière. Très didactique, ce livre propose une approche progressive et complète de la biologie, discipline en constante évolution. Dans cette nouvelle édition, actualisée et encore améliorée, certains thèmes ont été davantage développés, comme par exemple le chapitre sur les plantes, la génomique et les biotechnologies. Les qualités didactiques et iconographiques qui ont fait le succès des éditions précédentes ont encore été améliorées. Une approche fondée sur l'observation et l'expérimentation : Plus de 2500 photos et illustrations en couleurs Un glossaire de plus de 1000 termes Committed to Excellence in the Landmark Tenth Edition. This edition continues the evolution of Raven &

Johnson's Biology. The author team is committed to continually improving the text, keeping the student and learning foremost. We have integrated new pedagogical features to expand the students' learning process and enhance their experience in the ebook. This latest edition of the text maintains the clear, accessible, and engaging writing style of past editions with the solid framework of pedagogy that highlights an emphasis on evolution and scientific inquiry that have made this a leading textbook for students majoring in biology and have been enhanced in this landmark Tenth edition. This emphasis on the organizing power of evolution is combined with an integration of the importance of cellular, molecular biology and genomics to offer our readers a text that is student friendly and current. Our author team is committed to producing the best possible text for both student and faculty. The lead author, Kenneth Mason, University of Iowa, has taught majors biology at three different major public universities for more than fifteen years. Jonathan Losos, Harvard University, is at the cutting edge of evolutionary biology research, and Susan Singer, Carleton College, has been involved in science education policy issues on a national level. All three authors bring varied instructional and content expertise to the tenth edition of Biology.

The eighth edition of this bestselling botany textbook has been updated throughout with the most recent primary literature, eight new ecology-oriented essays, and 175 new illustrations and photographs to keep the presentation as well as the content fresh and engaging. It is an invaluable resource for both students and

professionals

The Raven & Johnson's Biology author team is committed to continually improving the text, keeping the student and learning foremost. The integrated pedagogical features expand the students' learning process and enhance their learning experience. This latest edition of the text maintains the clear, accessible, and engaging writing style of past editions with the solid framework of pedagogy that highlights an emphasis on evolution and scientific inquiry that have made this a leading textbook for students majoring in biology. This emphasis on the organizing power of evolution is combined with an integration of the importance of cellular, molecular biology and genomics to offer our readers a text that is student friendly and current.

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