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Concerns about global biodiversity are rising dramatically, yet we are lagging behind in the most basic prerequisite for its understanding and conservation: the inventory. Insect species may make up five or ten times the number of all other plant and animal species combined, and as such they represent one of the major challenges in biosystematic science. World Catalogue of Insects is an initiative aiming at compiling worldscale, authoritative catalogues of monophyletic insect taxa. Volumes in this series contain standard nomenclatorial information on all names pertaining to the taxon treated, including type locality and distribution to the extent this is relevant. Additional information is optional, e.g., location, status and condition of types; biology; bibliographical information; pest status; vector status; etc. This volume nine focuses on Drosophilidae (Diptera). (Series: World Catalogue of Insects) Fragmentation and coagulation are two

natural phenomena that can be observed in many sciences and at a great variety of scales - from, for example, DNA fragmentation to formation of planets by accretion. This book, by the author of the acclaimed Lévy Processes, is the first comprehensive theoretical account of mathematical models for situations where either phenomenon occurs randomly and repeatedly as time passes. This self-contained treatment develops the models in a way that makes recent developments in the field accessible. Each chapter ends with a comments section in which important aspects not discussed in the main part of the text (often because the discussion would have been too technical and/or lengthy) are addressed and precise references are given. Written for readers with a solid background in probability, its careful exposition allows graduate students, as well as working mathematicians, to approach the material with confidence.

We've all heard stories of people who've

experienced seemingly miraculous recoveries from illness, but can the same thing happen for our world? According to pioneering biologist Bruce H. Lipton, it's not only possible, it's already occurring. In *Spontaneous Evolution*, this world-renowned expert in the emerging science of epigenetics reveals how our changing understanding of biology will help us navigate this turbulent period in our planet's history and how each of us can participate in this global shift. In collaboration with political philosopher Steve Bhaerman, Dr. Lipton invites readers to reconsider: •the "unquestionable" pillars of biology, including random evolution, survival of the fittest, and the role of DNA; •the relationship between mind and matter; •how our beliefs about nature and human nature shape our politics, culture, and individual lives; and •how each of us can become planetary "stem cells" supporting the health and growth of our world. By questioning the old beliefs that got us to where we are today and keep us stuck in the status quo, we can trigger the spontaneous evolution of our species that will usher in a brighter future. .

Somebody was in there. Somebody - or some thing...There is no Room 13 in the creepy Crow's Nest Hotel, where Fliiss and her friends are staying on a school trip. Or is there? For at the stroke of midnight, something peculiar happens to the door of the linen cupboard next to Room 12. And something is happening to Ellie--May Sunderland, too - something very sinister...A gripping page-turner from the master of spooky suspense, award-winning Robert Swindells.

Fully updated throughout and with a new foreword for this edition. Why do most diets fail? Why does one person eat a certain meal and gain weight, while another

eating the same meal loses pounds? Why, despite all the advice about what to eat, are we all still getting fatter? The answers are much more surprising - and fascinating - than we've been led to believe. The key to health and weight loss lies not in the latest fad diet, nor even in the simple mantra of 'eat less, exercise more', but in the microbes already inside us. Drawing on the latest science and his own pioneering research, Professor Tim Spector demystifies the common misconceptions about fat, calories, vitamins and nutrients. Only by understanding what makes our own personal microbes tick can we overcome the confusion of modern nutrition, and achieve a healthy gut and a healthy body.

An accessible undergraduate textbook on the essential math concepts used in the life sciences. The life sciences deal with a vast array of problems at different spatial, temporal, and organizational scales. The mathematics necessary to describe, model, and analyze these problems is similarly diverse, incorporating quantitative techniques that are rarely taught in standard undergraduate courses. This textbook provides an accessible introduction to these critical mathematical concepts, linking them to biological observation and theory while also presenting the computational tools needed to address problems not readily investigated using mathematics alone. Proven in the classroom and requiring only a background in high school math, *Mathematics for the Life Sciences* doesn't just focus on calculus as do most other textbooks on the subject. It covers deterministic methods and those that incorporate uncertainty, problems in discrete and continuous time, probability, graphing and data analysis, matrix modeling, difference equations, differential equations, and much more. The book uses

MATLAB throughout, explaining how to use it, write code, and connect models to data in examples chosen from across the life sciences. Provides undergraduate life science students with a succinct overview of major mathematical concepts that are essential for modern biology. Covers all the major quantitative concepts that national reports have identified as the ideal components of an entry-level course for life science students. Provides good background for the MCAT, which now includes data-based and statistical reasoning. Explicitly links data and math modeling. Includes end-of-chapter homework problems, end-of-unit student projects, and select answers to homework problems. Uses MATLAB throughout, and MATLAB m-files with an R supplement are available online. Prepares students to read with comprehension the growing quantitative literature across the life sciences. A solutions manual for professors and an illustration package is available.

'I'm just so excited for everyone to discover Cold-Hearted Rake, and for me to read the rest of the Ravenel series!' Sarah MacLean A twist of fate . . . Devon Ravenel, London's most wickedly charming rake, has just inherited an earldom. But his powerful new rank in society comes with unwanted responsibilities, and more than a few surprises. His estate is saddled with debt, and the late earl's three innocent sisters are still occupying the house . . . along with Kathleen, Lady Trenear, a beautiful young widow whose sharp wit and determination are more than a match for Devon's own. A clash of wills . . . Kathleen knows better than to trust a ruthless scoundrel like Devon. But the fiery attraction between them is impossible to deny - and from the first moment Devon holds her in his

arms, he vows to do whatever it takes to possess her. As Kathleen finds herself yielding to his skilfully erotic seduction, only one question remains: Can she keep from surrendering her heart to the most dangerous man she's ever known? 'Kleypas can make you laugh and cry - on the same page' Julia Quinn This is the breath-taking first novel in the Ravenel series by New York Times bestselling author Lisa Kleypas - perfect for fans of Sarah MacLean, Julia Quinn and Eloisa James. The Ravenels: Cold-Hearted Rake Marrying Winterborne Devil in Spring Hello Stranger Devil's Daughter Chasing Cassandra Praise for Lisa Kleypas: 'Intricately and elegantly crafted, intensely romantic . . . A gratifying series starter from a not-to-be-missed romance author' Kirkus Reviews 'Kleypas is an amazing writer. In my opinion, she might be the most technically skilled historical romance author out there' Smart Bitches, Trashy Books 'Insightful characterisation, an abundance of super-charged sexual chemistry, a dash of dry humour, and a to-die-for hero, all of which will have the author's legions of fans giddy with delight at her triumphant return to historical romance' Booklist '[An] addictive, rewarding story . . This delightful, compelling story is the first in Kleypas's new Victorian series about the Ravenel family' Library Journal 'Readers are introduced to the unforgettable characters and their original personalities through a delightful storyline peppered with sharp repartee and steamy sensuality' RT Book Reviews (top pick) 'Cold-Hearted Rake brings to mind some of the best elements of her Hathaway, Wallflower, Gambler, and Capital Theatre series novels.... Reading Kleypas' long-awaited return to historical is akin to walking into the arms of an old friend' Heroes and Heartbreakers The Boon family and their indefatigable

gallows humor are back in Benny Lindelauf's follow-up to *Nine Open Arms*. Poised to win a scholarship to the nearby teachers college, Fing has high hopes. It's 1938 and her poor family of nine--one father, four brothers, three sisters, and a grandmother--has finally managed to eke out a living in the tiny cigar factory abutting their dilapidated home. But smelling success, her dreamer of a father is determined to expand and Fing's dreams fall apart when she instead has to go to work for the Cigar Emperor, taking care of his new, German wife's eccentric niece. The novel's gripping language, enriched by Yiddish, German, and Dutch dialect, plunges the reader into the world of a large, colorful, motherless family as they navigate the changes World War II visits upon their little town on the border of the Netherlands and Germany. This stand-alone follow-up to *Nine Open Arms*, a 2015 Batchelder Honor book translated from Dutch, is a fantasy, a historical novel, and literary fiction all wrapped into one.

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

dents to focus on understanding how the concepts are related.

Organized around the central theme of homeostasis, *FUNDAMENTALS OF HUMAN PHYSIOLOGY* is a carefully condensed version of Lauralee Sherwood's *HUMAN PHYSIOLOGY: FROM CELLS TO SYSTEMS*. It provides clear, current, concise, clinically oriented coverage of physiology. Many analogies and frequent references to everyday experiences help students relate to the physiology concepts presented. Offering helpful art and pedagogical features, Sherwood promotes understanding of the basic principles and concepts of physiology rather than memorization of details and provides a foundation for future careers in the health professions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A New York Times Notable Book of 2014 We are doomed to repeat history if we fail to learn from it, but how are we affected by the forces that are invisible to us? What role does Neanderthal DNA play in our genetic makeup? How did the theory of eugenics embraced by Nazi Germany first develop? How is trust passed down in Africa, and silence inherited in Tasmania? How are private companies like Ancestry.com uncovering, preserving and potentially editing the past? In *The Invisible History of the Human Race*, Christine Kenneally reveals that, remarkably, it is not only our biological history that is coded in our DNA, but also our social history. She breaks down myths of determinism and draws on cutting-edge research to explore how both historical artefacts and our DNA tell us where we have come from and where we may be going.

Astound your friends and family with this

impressive collection of mind-boggling facts and visual comparisons about the human body. Did you know you made 3 million new blood cells while you read this sentence? Or that you shed and regrow a whole new layer of skin every 39 days? Or that your DNA could stretch to the Sun and back not once but 16 times? 1,000 Amazing Human Body Facts is full of bite-size, fascinating nuggets of information about the incredible abilities of human bodies. Find out how many bathtubs of saliva you swallow, how many tankers of blood your heart pumps, how many gigagallons of air your lungs exhale. Discover how bone is strong enough to support the weight of a truck and be amazed by the unbelievable number of odors your nose can smell and the seemingly infinite range of colors your eyes can see. Witness the smallest bone, the strongest muscle, the fastest nerve, the deadliest parasite. See how an eye works like a 576 megapixel camera and find out why the human brain beats the world's biggest AI supercomputer. Packed with exciting computer-generated images (CGIs), 1,000 Amazing Human Body Facts explains an astounding number of facts with jaw-dropping visual comparisons that reveal just how impressive your body really is.

A captivating blend of personal biography and public drama, *The Wise Men* introduces the original best and brightest, leaders whose outsized personalities and actions brought order to postwar chaos: Averell Harriman, the freewheeling diplomat and Roosevelt's special envoy to Churchill and Stalin; Dean Acheson, the secretary of state who was more responsible for the Truman Doctrine than Truman and for the Marshall Plan than General Marshall; George Kennan, self-cast outsider and intellectual darling of the

Washington elite; Robert Lovett, assistant secretary of war, undersecretary of state, and secretary of defense throughout the formative years of the Cold War; John McCloy, one of the nation's most influential private citizens; and Charles Bohlen, adroit diplomat and ambassador to the Soviet Union.

This book provides a broad overview of the entire field of DNA computation, tracing its history and development. It contains detailed descriptions of all major theoretical models and experimental results to date and discusses potential future developments. It concludes by outlining the challenges currently faced by researchers in the field. This book will be a useful reference for researchers and students, as well as an accessible introduction for those new to the field.

Have you ever asked yourself: Are spliced genes the same as mended Levis? Watson and Crick? Aren't they a team of British detectives? Plant sex? Can they do that? Is Genetic Mutation the name of one of those heavy metal bands? Asparagine? Which of the four food groups is that in? Then you need *The Cartoon Guide to Genetics* to explain the important concepts of classical and modern genetics—it's not only educational, it's funny too!

From New York Times bestselling author Sam Kean comes incredible stories of science, history, language, and music, as told by our own DNA. In *The Disappearing Spoon*, bestselling author Sam Kean unlocked the mysteries of the periodic table. In *The Violinist's Thumb*, he explores the wonders of the magical building block of life: DNA. There are genes to explain crazy cat ladies, why other people have no fingerprints, and why some people survive nuclear bombs. Genes illuminate everything from JFK's bronze skin

(it wasn't a tan) to Einstein's genius. They prove that Neanderthals and humans bred thousands of years more recently than any of us would feel comfortable thinking. They can even allow some people, because of the exceptional flexibility of their thumbs and fingers, to become truly singular violinists. Kean's vibrant storytelling once again makes science entertaining, explaining human history and whimsy while showing how DNA will influence our species' future.

In recent years, an ever-increasing amount of research has been conducted on the physico-chemical basis of the origin and evolution of life, or protobiology. Many questions are raised in this endeavor: What research methodology should be employed? What sort of dependable facts are available as a firm frame of reference upon which the physico-chemical origin of life or protolife could be examined? Is the origin due exclusively to chance events? If not, what is then responsible for the origin? What physical reality underlies the evolutionarily selective process leading to the origin? What role does variation assume and how is it generated in the course of evolution? Many research workers have pursued various avenues toward answering the stated questions. Among them, we believe Sidney W. Fox has been playing a very unique and pivotal role over the past quarter of a century, presiding over 240 man-years or more of laboratory work. His laboratory syntheses of thermal proteins called proteinoids and proteinoid microspheres have emphasized the principle of the self-sequencing of amino acids as a key concept of protobiological synthesis. The significance of his contribution is seen in presenting the experimental evidence that the origin of life is largely due to nonrandom events. This discovery marks a new epoch in the

conceptual development of studying the origin of life by focusing on the molecular processes that underlied the emergence and evolution of protobiological information.

Through six editions, Thompson & Thompson's *Genetics in Medicine* has been a well-established favorite textbook on this fascinating and rapidly evolving field, integrating the classic principles of human genetics with modern molecular genetics to help you understand a wide range of genetic disorders. The 7th edition incorporates the latest advances in molecular diagnostics, the Human Genome Project, and much more. More than 240 dynamic illustrations and high-quality photos help you grasp complex concepts more easily. In addition to the book, you will also receive **STUDENT CONSULT**, enabling you to access the complete contents of the book online, anywhere you go! Acquire the state-of-the-art knowledge you need on the latest advances in molecular diagnostics, the Human Genome Project, pharmacogenetics, and bio-informatics. Better understand the relationship between basic genetics and clinical medicine with a variety of clinical case studies. Recognize a wide range of genetic disorders with visual guidance from more than 240 dynamic illustrations and high-quality photos. Access the complete contents of the book online, fully searchable with **STUDENT CONSULT**. You'll find "Integration Links" to bonus content in other **STUDENT CONSULT** titles · content clipping for handheld devices · an interactive community center with a wealth of additional resources · quarterly updates on the material · USMLE questions · and much more!

A comprehensive and comical new illustrated guide to algebra Do you think that

a Cartesian plane is a luxury jetliner? Does the phrase "algebraic expression" leave you with a puzzled look? Do you believe that the Order of Operations is an Emmy-winning medical drama? Then you need *The Cartoon Guide to Algebra* to put you on the road to algebraic literacy. *The Cartoon Guide to Algebra* covers all of algebra's essentials—including rational and real numbers, the number line, variables, expressions, laws of combination, linear and quadratic equations, rates, proportion, and graphing—with clear, funny, and easy-to-understand illustrations, making algebra's many practical applications come alive. This latest math guide from New York Times best-selling author Larry Gonick is an essential supplement for students of all levels, in high school, college, and beyond. School's most dreaded subject has never been more fun.

"Fascinating and exhilarating—Sean B. Carroll at his very best."—Bill Bryson, author of *The Body: A Guide for Occupants*

From acclaimed writer and biologist Sean B. Carroll, a rollicking, awe-inspiring story of the surprising power of chance in our lives and the world. Why is the world the way it is? How did we get here? Does everything happen for a reason or are some things left to chance? Philosophers and theologians have pondered these questions for millennia, but startling scientific discoveries over the past half century are revealing that we live in a world driven by chance. *A Series of Fortunate Events* tells the story of the awesome power of chance and how it is the surprising source of all the beauty and diversity in the living world. Like every other species, we humans are here by accident. But it is shocking just how many things—any of which might never have occurred—had to happen in certain ways for any of us to exist. From an ex-

tremely improbable asteroid impact, to the wild gyrations of the Ice Age, to invisible accidents in our parents' gonads, we are all here through an astonishing series of fortunate events. And chance continues to reign every day over the razor-thin line between our life and death. This is a relatively small book about a really big idea. It is also a spirited tale. Drawing inspiration from Monty Python, Kurt Vonnegut, and other great thinkers, and crafted by one of today's most accomplished science storytellers, *A Series of Fortunate Events* is an irresistibly entertaining and thought-provoking account of one of the most important but least appreciated facts of life.

This volume explores the applications of reporter gene technology and the methodologies needed for their effective implementation. The chapters in this book cover practical topics such as how to integrate reporter constructs into cellular models, viral delivery, splicing applications, in vivo imaging, and a guide to the use of multi-cistronic constructs. Additionally, chapters also include detailed mechanistic uses of reporter genes in cellular pathways, and a look at project and data management of screening applications. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Cutting-edge and thorough, *Reporter Gene Assays: Methods and Protocols* is a valuable resource for anyone who is interested in learning more about reporter genes.

No other description available.

Spherical nucleic acids (SNAs) comprise a nanoparticle core and a densely

packed and highly oriented nucleic acid shell, typically DNA or RNA. They have novel architecture-dependent properties that distinguish them from all other forms of nucleic acids and make them useful in materials synthesis, catalysis, diagnostics, therapeutics, and optics/plasmonics. This book covers over two decades of Dr. Mirkin's research on SNAs and their anisotropic analogues, including synthesis and fundamental properties, and applications in colloidal crystallization, adaptive matter, and nanomedicine, spanning extra- and intracellular diagnostics, gene regulation, and immunomodulation. It is a reprint volume that compiles 101 key papers from high-impact journals in this research area published by the Mirkin Group at Northwestern University, Illinois, USA, within the International Institute for Nanotechnology, and collaborators. Volume 1 provides an overview and a historical framework of engineering matter from DNA-modified constructs and discusses the enabling features of nucleic acid--functionalized nanomaterials. Volume 2 covers design rules for colloidal crystallization, building blocks for crystal engineering, and DNA and RNA as programmable bonds. Volume 3 discusses colloidal crystallization processes and routes to hierarchical assembly, dynamic nanoparticle superlattices, surface-based and template-confined colloidal crystallization, optics and plasmonics with nanoparticle superlattices, and postsynthetic modification and catalysis with nanoparticle superlattices. Volume 4 covers diagnostic modalities, and intracellular therapeutic and diagnostic schemes based upon nucleic acid--functionalized nanomaterials.

Now the subject of an Emmy Award-winning film the New York Times calls "spell-binding" How does life work? How does

nature produce the right numbers of zebras and lions on the African savanna, or fish in the ocean? How do our bodies produce the right numbers of cells in our organs and bloodstream? In *The Serengeti Rules*, award-winning biologist and author Sean Carroll tells the stories of the pioneering scientists who sought the answers to such simple yet profoundly important questions, and shows how their discoveries matter for our health and the health of the planet we depend upon. One of the most important revelations about the natural world is that everything is regulated—there are rules that regulate the amount of every molecule in our bodies and rules that govern the numbers of every animal and plant in the wild. And the most surprising revelation about the rules that regulate life at such different scales is that they are remarkably similar—there is a common underlying logic of life. Carroll recounts how our deep knowledge of the rules and logic of the human body has spurred the advent of revolutionary life-saving medicines, and makes the compelling case that it is now time to use the *Serengeti Rules* to heal our ailing planet. A bold and inspiring synthesis by one of our most accomplished biologists and gifted storytellers, *The Serengeti Rules* is the first book to illuminate how life works at vastly different scales. Read it and you will never look at the world the same way again.

Beautifully illustrated, *The A to Z of Lipstick* has everything you've ever wanted to know about lipstick in a charming, fun-to-flip-through package. Full of Poppy's best "Lip Tips," this gorgeous gift book will give you the low-down on everything from color choice and application tricks, to lipstick trends through the ages and how lipstick is made. Not sure

whether to go glossy or matte? Need advice on the best shade for date night? Here is the classic and classy guide that every sophisticated makeup wearer needs. A cosmetics mogul from the age of eighteen, makeup expert Poppy King shares her twenty years of professional wisdom through this celebration of her favorite type of makeup.

'[A]n excellent, brisk guide to what is likely to happen as opposed to the fantastically remote.' - Los Angeles Review of Books

In 2018 the world woke up to gene editing with a storm of controversy over twin girls born in China with genetic changes deliberately introduced by scientists - changes they will pass on to their own offspring. Genetic modification (GM) has been with us for 45 years now, but the new system known as CRISPR or gene editing can manipulate the genes of almost any organism with a degree of precision, ease and speed that we could only dream of ten years ago. But is it ethical to change the genetic material of organisms in a way that might be passed on to future generations? If a person is suffering from a lethal genetic disease, is it unethical to deny them this option? Who controls the application of this technology, when it makes 'biohacking' - perhaps of one's own genome - a real possibility? Nessa Carey's book is a thrilling and timely snapshot of a cutting-edge technology that will radically alter our futures and the way we prevent disease. 'A focused snapshot of a brave new world.'

- Nature

'A brisk, accessible primer on the fast-moving field, a clear-eyed look at a technology that is already driving major scientific advances - and raising complex ethical questions.'

- Emily Anthes, Undark

Epigenetics can potentially revolutionize our understanding of the structure and behavior of biological life on Earth. It ex-

plains why mapping an organism's genetic code is not enough to determine how it develops or acts and shows how nurture combines with nature to engineer biological diversity. Surveying the twenty-year history of the field while also highlighting its latest findings and innovations, this volume provides a readily understandable introduction to the foundations of epigenetics. Nessa Carey, a leading epigenetics researcher, connects the field's arguments to such diverse phenomena as how ants and queen bees control their colonies; why tortoiseshell cats are always female; why some plants need cold weather before they can flower; and how our bodies age and develop disease. Reaching beyond biology, epigenetics now informs work on drug addiction, the long-term effects of famine, and the physical and psychological consequences of childhood trauma. Carey concludes with a discussion of the future directions for this research and its ability to improve human health and well-being.

This fourth edition of the best-selling textbook, *Human Genetics and Genomics*, clearly explains the key principles needed by medical and health sciences students, from the basis of molecular genetics, to clinical applications used in the treatment of both rare and common conditions. A newly expanded Part 1, *Basic Principles of Human Genetics*, focuses on introducing the reader to key concepts such as Mendelian principles, DNA replication and gene expression. Part 2, *Genetics and Genomics in Medical Practice*, uses case scenarios to help you engage with current genetic practice. Now featuring full-color diagrams, *Human Genetics and Genomics* has been rigorously updated to reflect today's genetics teaching, and includes updated discussion of genetic risk assessment,

“single gene” disorders and therapeutics. Key learning features include: Clinical snapshots to help relate science to practice ‘Hot topics’ boxes that focus on the latest developments in testing, assessment and treatment ‘Ethical issues’ boxes to prompt further thought and discussion on the implications of genetic developments ‘Sources of information’ boxes to assist with the practicalities of clinical research and information provision Self-assessment review questions in each chapter Accompanied by the Wiley E-Text digital edition (included in the price of the book), Human Genetics and Genomics is also fully supported by a suite of online resources at www.korfgenetics.com, including: Fact-sheets on 100 genetic disorders, ideal for study and exam preparation Interactive Multiple Choice Questions (MCQs) with feedback on all answers Links to online resources for further study Figures from the book available as PowerPoint slides, ideal for teaching purposes The perfect companion to the genetics component of both problem-based learning and integrated medical courses, Human Genetics and Genomics presents the ideal balance between the bio-molecular basis of genetics and clinical cases, and provides an invaluable overview for anyone wishing to engage with this fast-moving discipline.

Separate Practice Tests Plus books prepare for 2020 B1 Preliminary or B1 Preliminary for Schools exams 8 complete tests Training tips and exam strategies Grammar bank Student App Number of tests: 8 Components: Students' Book

with Key Students' Book without Key Online resources: Online audio Answer keys Audio scripts Overview of resources with how and when to use in class Speaking Test (video) Examiner feedback (video) About the Exam (video) Frequently asked questions (video) Video worksheets Writing samples & examiner feedback Writing worksheets Listening teaching ideas Writing teaching ideas Speaking teaching ideas Reading ideas Vocabulary maps of wordlists Student App The Cambridge IGCSE® & O Level Complete Biology Student Book is at the heart of delivering the course. It has been fully updated and matched to the latest Cambridge IGCSE (0610) & O Level (5090) Biology syllabuses, ensuring it covers all the content that students need to succeed. The Student Book is written by Ron Pickering, the experienced and trusted author of our previous, best-selling edition. It has been reviewed by subject experts globally to ensure it meets teachers' needs. The book offers a rigorous approach, with a light touch to make it engaging. Varied and flexible assessment-focused support and exam-style questions improve students' performance and help them to progress, while the enriching content equips learners for further study. The Student Book is available in print, online or via a great-value print and online pack. The supporting Exam Success Guide and Practical Workbook help students achieve top marks in their exams, while the Workbook, for independent practice, strengthens exam potential inside and outside the classroom.