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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.

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.

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.

Stylish and dark, the BBC series the 'Peaky Blinders' is set in the backstreets of Birmingham after the First World War and tells of the rise to power of Thomas Shelby and his criminal gang. Yet the real stories behind these fictional characters are just as dramatic, bloody and compelling as the TV series. Thomas Shelby's arch enemy Billy Kimber was in real life a Brummie from Summer Lane. He was a feared fighter with an astute mind and magnetic personality which earned him the leadership of the Birmingham Gang that dominated the highly profitable protection rackets of the racecourses of England. The members of this gang had once been 'sloggers' or 'peaky blinders' and their rise to supremacy was attributable to their viciousness and to Kimber's shrewd alliances with other gangs. But they soon incurred the envy of the Sabini Gang of London who fought violently to oust Kimber and his men and take over their rackets. The Birmingham Gang battled back fiercely in the infamous and blood-stained racecourse wars of the 1920s. This Birmingham Gang led by Billy Kimber were the Real Peaky Blinders and this is their story.

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'[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

From the author of the acclaimed The Epigenetics Revolution (‘A book that would have had Darwin swooning’ – Guardian) comes another thrilling exploration of the cutting edge of human science. For decades after the structure of DNA was identified, scientists focused purely on genes, the regions of the genome that contain codes for the production of proteins. Other regions – 98% of the human genome – were dismissed as ‘junk’. But in recent years researchers have discovered that variations in this ‘junk’ DNA underlie many previously intractable diseases, and they can now generate new approaches to tackling them. Nessa Carey explores, for the first time for a general audience, the incredible story behind a controversy that has generated unusually vituperative public exchanges between scientists. She shows how junk DNA plays an important role in areas as diverse as genetic diseases, viral infections, sex determination in mammals, human biological complexity, disease treatments, even evolution itself – and reveals how we are only now truly unlocking its secrets, more than half a century after Crick and Watson won their Nobel prize for the discovery of the structure of DNA in 1962.

'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

This text reviews what research on animals can tell us about the biological factors that control human sexual behavior and orientation.

This text tells the story of cells as the unit of life in a colorful and student-friendly manner, taking an "essentials only" approach. By using the successful model of previously published Short Courses, this text succeeds in conveying the key points without overburdening readers with secondary information. The authors (all active researchers and educators) skillfully present concepts by illustrating them with clear diagrams and examples from current research. Special boxed sections focus on the importance of cell biology in medicine and industry today. This text is a completely revised, reorganized, and enhanced revision of From Genes to Cells.

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 labo ratory work. His laboratory syntheses of thermal proteins called proteinoids and proteinoid micro spheres have emphasized the prin ciple 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.

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.

Analysis of Biological Data provides students with a practical foundation of statistics for biology students. Every chapter has several biological or medical examples of key concepts, and each example is prefaced by a substantial description of the biological setting. The emphasis on real and interesting examples carries into the problem sets where students have dozens of practice problems based on real data. The third edition features over 200 new examples and problems. These include new calculation practice problems, which guide the student step by step through the methods, and a

greater number of examples and topics come from medical and human health research. Every chapter has been carefully edited for even greater clarity and ease of use. All the data sets, R scripts for all worked examples in the book, as well as many other teaching resources, are available to adopting instructors.
Introduction to Genomics is a fascinating insight into what can be revealed from the study of genomes: how organisms differ or match; how different organisms evolved; how the genome is constructed and how it operates; and what our understanding of genomics means in terms of our future health and wellbeing.

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. .
The Cambridge IGCSEÂ® & 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.
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.
Provides a humorous introduction to the fundamental principles of genetics, including inheritance, mutation, DNA, and gene splicing

Those long summer days and weekends spent with our best friends can be among the happiest memories of childhood. But the art of making friends isn't a skill that is taught in most schools. Teaching children how to be good friends and cultivate healthy friendships is the work of parents, teachers, coaches, ministers, and caring adults. In How to Be a Friend: A Book about Friendship . . . Just for Me!, author, Molly Wigand, introduces children to those values that make for good friendships—loyalty, trust, and honesty—and to how they can become a good friend to others.
Revised edition of: World of the cell / Wayne M. Becker [and others]. 7th ed.
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: Factsheets 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.
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.

"I have no dress except the one I wear every day. If you are going to be kind enough to give me one, please let it be practical and dark so that I can put it on afterwards to go to the laboratory", said Marie Curie about her wedding dress. According to her lecture notes, Gertrude B. Elion is quoted a few decades later: "Don't be afraid of hard work. Don't let others discourage you, or tell you that you can't do it. In my day I was told women didn't go into chemistry. I saw no reason why we couldn't." These two quotations from famous, Nobel Prize winning chemists amply demonstrate the challenges that female scientists in the past centuries have had to overcome; challenges that are still sometimes faced by the current generation. They "must have the noblest courage, quite extraordinary talents and superior genius" wrote Carl Friedrich Gauss 1807 in a letter to mathematician Sophie Germain. For the official book to celebrate the International Year of Chemistry, the European Association for Chemical and Molecular Sciences (EuCheMS) has chosen one of the central goals of the International Year: the contribution and role of women in chemistry. This celebration, which is the focus of European Women in Chemistry, takes us on a journey through centuries of chemical research, focusing on the lives of those amazing women from ancient times to the current day who dared to study this subject, often against advice or societal expectations. These portraits emphasize the extraordinary path and personality of these fascinating women, their major contribution to chemistry, but all in the context of their time and social environment. Some of these women, like Marie Curie and Dorothy Crowfoot Hodgkin, are famous and still well-known today. Others have contributed significantly to the development of science and lived an exceptional life, but are nowadays almost forgotten. This book is a tribute to all of them and a motivation for new generations to come to tread new paths, fight for unusual ideas and control one?s own destiny.
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.
Argues that mankind has a moral nature, and explores such values as sympathy, fairness, self-control, and duty
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.

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 students to focus on understanding how the concepts are related.
Very Good,No Highlights or Markup,all pages are intact.
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