

The Gene An Intimate History

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The Photo Ark

A guided tour through the strange science of hormones and the age-old quest to control them.

The Mayo Clinic

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A Nobel Prize-winning biologist tells the riveting story of his race to discover the inner workings of biology's most important molecule "Ramakrishnan's writing is so honest, lucid and engaging that I could not put this book down until I had read to the very end."--Siddhartha Mukherjee, author of The Emperor of All Maladies and The Gene Everyone has heard of DNA. But by itself, DNA is just an inert blueprint for life. It is the ribosome--an enormous molecular machine made up of a million atoms--that makes DNA come to life, turning our genetic code into proteins and therefore into us. Gene Machine is an insider account of the race for the structure of the ribosome, a fundamental discovery that both advances our knowledge of all life and could lead to the development of better antibiotics against life-threatening diseases. But this is also a human story of Ramakrishnan's unlikely journey, from his first fumbling experiments in a biology lab to being the dark horse in a fierce competition with some of the world's best scientists. In the end, Gene Machine is a frank insider's account of the pursuit of high-stakes science.

Smell: a Very Short Introduction

The revised and updated edition of the bestselling self-published title, teaching budding entrepreneurs and business people the secrets to creating a life of wealth and security.

The Man Who Saw Everything

From the award-winning, best-selling author comes a rollicking novel with a dark undertow, set around three unforgettable individuals and a doomed movie set. A producer. A novelist. An actress. It's summer 1968--a time of war and assassinations, protests and riots. While the world is reeling, our trio is involved in making a disaster-plagued, Swingin' Sixties British movie in sunny Brighton. All are leading secret lives. As the movie shoot zigs and zags, these layers of secrets become increasingly more untenable. Pressures build inexorably. The FBI and CIA get involved. Someone is going to crack--or maybe they all will. From one of Britain's best loved writers comes an exhilarating, tender novel--by turns hilarious and heartbreaking--that asks the vital questions: What makes life worth living? And what do you do if you find it isn't?

Summary & Study Guide - The Gene

Edited and with an introduction by Roxane Gay, the New York Times bestselling and deeply beloved author of *Bad Feminist* and *Hunger*, this anthology of first-person essays tackles rape, assault, and harassment head-on. "Roxane Gay is the brilliant girl-next-door: your best friend and your sharpest critic. . . . she is also required reading."—People In this valuable and revealing anthology, cultural critic

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and bestselling author Roxane Gay collects original and previously published pieces that address what it means to live in a world where women have to measure the harassment, violence, and aggression they face, and where they are “routinely second-guessed, blown off, discredited, denigrated, besmirched, belittled, patronized, mocked, shamed, gaslit, insulted, bullied” for speaking out. Contributions include essays from established and up-and-coming writers, performers, and critics, including actors Ally Sheedy and Gabrielle Union and writers Amy Jo Burns, Lyz Lenz, Claire Schwartz, and Bob Shacochis. Covering a wide range of topics and experiences, from an exploration of the rape epidemic embedded in the refugee crisis to first-person accounts of child molestation, this collection is often deeply personal and is always unflinchingly honest. Like Rebecca Solnit’s *Men Explain Things to Me*, *Not That Bad* will resonate with every reader, saying “something in totality that we cannot say alone.” Searing and heartbreakingly candid, this provocative collection both reflects the world we live in and offers a call to arms insisting that “not that bad” must no longer be good enough.

Extended Heredity

The first volume in this annual series of the best writing by Americans, meticulously selected by bestselling author James Gleick, one of the foremost chroniclers of scientific social history, debuts with a stellar collection of writers and

thinkers. Many of these cutting-edge essays offer glimpses of new realms of discovery and thought, exploring territory that is unfamiliar to most of us, or finding the unexpected in the midst of the familiar. Nobel Laureate physicist Steven Weinberg challenges the idea of whether the universe has a designer; Pulitzer Prize winner Natalie Angier reassesses caveman (and-woman) couture; bestselling author and Darwinian theorist Stephen Jay Gould makes a claim for the man whose ideas Darwin discredited; Timothy Ferris proposes a realistic alternative to wrap-speed interseller travel; neurologist and bestselling author Oliver Sacks reminisces about his first loves-chemistry and math. This diverse, stimulating and accessible collection is required reading for anyone who wants to travel to the frontier of knowledge.

Trio

Cancer Genomics for the Clinician is a practical guide to cancer genomics and its application to cancer diagnosis and care. The book begins with a brief overview of the various types of genetic alterations that are encountered in cancer, followed by accessible and applicable information on next generation sequencing technology and bioinformatics; tumor heterogeneity; whole genome, exome, and transcriptome sequencing; epigenomics; and data analysis and interpretation. Each chapter provides essential explanations of concepts, terminology, and methods. Also included are tips for interpreting and analyzing molecular data, as

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well as a discussion of molecular predictors for targeted therapies covering hematologic malignancies and solid tumors. The final chapter explains the use of FDA-approved genomic-based targeted therapies for breast cancer, lung cancer, sarcomas, gastrointestinal cancers, urologic cancers, head and neck cancer, thyroid cancer, and many more. Assembled in an accessible format specifically designed for the non-expert, this book provides the clinical oncologist, early career practitioner, and trainee with an essential understanding of the molecular and genetic basis of cancer and the clinical aspects that have led to advancements in diagnosis and treatment. With this resource, physicians and trainees will increase their breadth of knowledge and be better equipped to educate patients and families who want to know more about their genetic predispositions to cancer and the targeted therapies that could be considered and prescribed. Key Features: Describes how cancer genomics and next generation sequencing informs cancer screening, risk factors, therapeutic options, and clinical management across cancer types Explains what mutations are, what tests are needed, and how to interpret the results Provides information on FDA-approved targeted therapies that are being used in the clinic Covers different sequencing platforms and technologies and how they perform in research settings Includes access to the fully searchable eBook

Howard Stern Comes Again

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The co-host of the popular NPR podcast Planet Money provides a well-researched, entertaining, somewhat irreverent look at how money is a made-up thing that has evolved over time to suit humanity's changing needs. Money only works because we all agree to believe in it. In *Money*, Jacob Goldstein shows how money is a useful fiction that has shaped societies for thousands of years, from the rise of coins in ancient Greece to the first stock market in Amsterdam to the emergence of shadow banking in the 21st century. At the heart of the story are the fringe thinkers and world leaders who reimagined money. Kublai Khan, the Mongol emperor, created paper money backed by nothing, centuries before it appeared in the west. John Law, a professional gambler and convicted murderer, brought modern money to France (and destroyed the country's economy). The cypherpunks, a group of radical libertarian computer programmers, paved the way for bitcoin. One thing they all realized: what counts as money (and what doesn't) is the result of choices we make, and those choices have a profound effect on who gets more stuff and who gets less, who gets to take risks when times are good, and who gets screwed when things go bad. Lively, accessible, and full of interesting details (like the 43-pound copper coins that 17th-century Swedes carried strapped to their backs), *Money* is the story of the choices that gave us money as we know it today.

Gene Machine

The Gene

When the concept of eugenics -- the practice of selecting for desirable traits in the larger population by encouraging gifted and/or attractive people to breed -- began to take hold in the early twentieth century, British thinker and writer G.K. Chesterton took a stance contrary to that of many intellectuals of the period and denounced it as evil in this bold, engaging series of essays.

Alain Elkann Interviews

The million copy international bestseller, critically acclaimed and translated into over 25 languages. As influential today as when it was first published, *The Selfish Gene* has become a classic exposition of evolutionary thought. Professor Dawkins articulates a gene's eye view of evolution - a view giving centre stage to these persistent units of information, and in which organisms can be seen as vehicles for their replication. This imaginative, powerful, and stylistically brilliant work not only brought the insights of Neo-Darwinism to a wide audience, but galvanized the biology community, generating much debate and stimulating whole new areas of research. Forty years later, its insights remain as relevant today as on the day it was published. This 40th anniversary edition includes a new epilogue from the author discussing the continuing relevance of these ideas in evolutionary biology

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today, as well as the original prefaces and foreword, and extracts from early reviews. Oxford Landmark Science books are 'must-read' classics of modern science writing which have crystallized big ideas, and shaped the way we think.

EARLY

This lush book of photography represents National Geographic's Photo Ark, a major cross-platform initiative and lifelong project by photographer Joel Sartore to make portraits of the world's animals-especially those that are endangered. His powerful message, conveyed with humor, compassion, and art- to know these animals is to save them.Sartore intends to photograph every animal in captivity in the world. He is circling the globe, visiting zoos and wildlife rescue centers to create studio portraits of 12,000 species, with an emphasis on those facing extinction. He has photographed more than 6,000 already and now, thanks to a multi-year partnership with National Geographic, he may reach his goal. This book showcases his animal portraits- from tiny to mammoth, from the Florida grasshopper sparrow to the greater one-horned rhinoceros. Paired with the eloquent prose of veteran wildlife writer Douglas Chadwick, this book presents a thought-provoking argument for saving all the species of our planet.

Aroused

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David Reich describes how the revolution in the ability to sequence ancient DNA has changed our understanding of the deep human past. This book tells the emerging story of our often surprising ancestry - the extraordinary ancient migrations and mixtures of populations that have made us who we are.

Summary and Analysis of The Gene: An Intimate History

A powerful examination of what we think we know about the brain and why -- despite technological advances -- the workings of our most essential organ remain a mystery. For thousands of years, thinkers and scientists have tried to understand what the brain does. Yet, despite the astonishing discoveries of science, we still have only the vaguest idea of how the brain works. In *The Idea of the Brain*, scientist and historian Matthew Cobb traces how our conception of the brain has evolved over the centuries. Although it might seem to be a story of ever-increasing knowledge of biology, Cobb shows how our ideas about the brain have been shaped by each era's most significant technologies. Today we might think the brain is like a supercomputer. In the past, it has been compared to a telegraph, a telephone exchange, or some kind of hydraulic system. What will we think the brain is like tomorrow, when new technology arises? The result is an essential read for anyone interested in the complex processes that drive science and the forces that have shaped our marvelous brains.

The Family Gene

Celebrity favorite health and wellness consultant Kelly LeVeque shares her secrets for losing weight, attuning ourselves to our bodies' needs, and freeing ourselves from food drama in this essential wellness guide, which includes 88 delectable recipes! In this inspirational yet practical book, the nutritional consultant and holistic healthcare expert who has helped celebrities such as Jessica Alba, Molly Sims, Chelsea Handler, and Emmy Rossum improve their health and achieve their goals shows you how to get beyond the food drama of cyclical fad diets and feel and look great by eating well. Kelly's Food Freedom program helps you set yourself up for success, eliminating cravings, mood swings, and other symptoms caused by food drama. Start your day with her Fab Four Smoothies, including a Strawberry Shortcake Smoothie and a Mango Kale Madness Smoothie, which pack protein, fat, fiber, and carbs to balance your blood sugar and keep you full and happy. After breakfast, you'll thrive with her Fab Four recipes, including Turkey-Stuffed Delicata Squash, Spicy Salmon Nori Burritos, and Anti-Inflammatory Detox Salad, which include the Fab Four food groups—protein, fat, fiber, and greens—that play a role in day-long satiety. Kelly also teaches you how to elongate your blood sugar curve to stay full and happy, and make yourself insulin aware. Kelly has studied the science behind familiar diets to understand how they trigger the body to lose pounds—and why they aren't sustainable. Instead, she offers a better choice: her four-step Food Freedom program that helps you find your wellness balance

between eating enough and deciding how you feel. Once you find your balance, you will lose weight, lose fat, increase lean muscle mass, and drop at least one size. You'll also enjoy thicker, shinier hair; clear, glowing skin; a remarkable improvement in your overall appearance; reduced joint pain and other inflammations; increased energy; and better sleep. Filled with tips and resources on supplements and cleansing, dozens of delicious, healthy recipes and advice on how to adjust your eating when traveling and on vacation, Body Love is your one-stop resource to living clean and happy!

The Chemistry of Life

All of us have lurking in our DNA a most remarkable gene. Its job is to protect us from cancer. This gene-known simply as p53-constantly scans our cells to ensure that when they grow and divide as part of the routine maintenance of our bodies, they do so without mishap. If a cell makes a mistake in copying its DNA during the process of division, p53 stops it in its tracks, sending in the repair team before allowing the cell to carry on dividing. If the mistake is irreparable and the rogue cell threatens to grow out of control (as happens in cancer), p53 commands the cell to commit suicide. Cancer cannot develop unless p53 itself is damaged or handicapped by some other fault in the system. Not surprisingly, p53 is the most studied single gene in history. p53: The Gene that Cracked the Cancer Code tells the story of the discovery of the gene and of medical science's mission to unravel

its mysteries and get to the heart of what happens in our cells when they turn cancerous. Through the personal accounts of key researchers, the book reveals the excitement of the hunt for new cures -- the hype, the enthusiasm, the lost opportunities, the blind alleys and the thrilling breakthroughs. As the long-anticipated revolution in cancer treatment tailored to each individual patient's symptoms starts to take off at last, p53 is at the cutting edge. This is a timely tale of scientific discovery and advances in our understanding of a disease that still affects more than one in three of us at some point in our lives.

Inheritance

A Finalist for the Pulitzer Prize Winner of the Kirkus Prize for Fiction • A Recipient of the Windham-Campbell Prize for Fiction • A Finalist for the James Tait Black Prize for Fiction • A Finalist for the Baileys Women's Prize for Fiction • A Finalist for the Rathbones Folio Prize • Longlisted for an Andrew Carnegie Medal for Excellence • One of New York Times Book Review 100 Notable Book Named a Best Book of the Year by Entertainment Weekly • GQ • The New York Times (Selected by Dwight Garner) • NPR • The Wall Street Journal • San Francisco Chronicle • Refinery29 • Booklist • Kirkus Reviews • Commonweal Magazine "In its poetic splendor and moral seriousness, *The Sport of Kings* bears the traces of Faulkner, Morrison, and McCarthy. . . . It is a contemporary masterpiece."—San Francisco Chronicle Hailed by *The New Yorker* for its "remarkable achievements," *The Sport of Kings* is an

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American tale centered on a horse and two families: one white, a Southern dynasty whose forefathers were among the founders of Kentucky; the other African-American, the descendants of their slaves. It is a dauntless narrative that stretches from the fields of the Virginia piedmont to the abundant pastures of the Bluegrass, and across the dark waters of the Ohio River; from the final shots of the Revolutionary War to the resounding clang of the starting bell at Churchill Downs. As C. E. Morgan unspools a fabric of shared histories, past and present converge in a Thoroughbred named Hellmouth, heir to Secretariat and a contender for the Triple Crown. Newly confronted with one another in the quest for victory, the two families must face the consequences of their ambitions, as each is driven---and haunted---by the same, enduring question: How far away from your father can you run? A sweeping narrative of wealth and poverty, racism and rage, *The Sport of Kings* is an unflinching portrait of lives cast in the shadow of slavery and a moral epic for our time.

The Selfish Gene

Award-winning physician and New York Times bestselling author Sharon Moalem, MD, PhD, reveals how genetic breakthroughs are completely transforming our understanding of both the world and our lives. INHERITANCE Conventional wisdom dictates that our genetic destiny is fixed at conception. But Dr. Moalem's groundbreaking book shows us that the human genome is far more fluid and

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fascinating than your ninth grade biology teacher ever imagined. By bringing us to the bedside of his unique and complex patients, he masterfully demonstrates what rare genetic conditions can teach us all about our own health and well-being. In the brave new world we're rapidly rocketing into, genetic knowledge has become absolutely crucial. INHERITANCE provides an indispensable roadmap for this journey by teaching you: -Why you may have recovered from the psychological trauma caused by childhood bullying-but your genes may remain scarred for life. -How fructose is the sugar that makes fruits sweet-but if you have certain genes, consuming it can buy you a one-way trip to the coroner's office. -Why ingesting common painkillers is like dosing yourself repeatedly with morphine-if you have a certain set of genes. -How insurance companies legally use your genetic data to predict the risk of disability for you and your children-and how that impacts the coverage decisions they make for your family. -How to have the single most important conversation with your doctor-one that can save your life. And finally: -Why people with rare genetic conditions hold the keys to medical problems affecting millions. In this trailblazing book, Dr. Moalem employs his wide-ranging and entertaining interdisciplinary approach to science and medicine-- explaining how art, history, superheroes, sex workers, and sports stars all help us understand the impact of our lives on our genes, and our genes on our lives. INHERITANCE will profoundly alter how you view your genes, your health--and your life.

Millionaire Success Habits

Life on Earth

“Hope Jahren is the voice that science has been waiting for.” —Nature “A superb account of the deadly struggle between humanity and what may prove the only life-bearing planet within ten light years, written in a brilliantly sardonic and conversational style.” —E. O. Wilson “Hope Jahren asks the central question of our time: how can we learn to live on a finite planet? The Story of More is thoughtful, informative, and—above all—essential.” —Elizabeth Kolbert, author of *The Sixth Extinction* Hope Jahren is an award-winning scientist, a brilliant writer, a passionate teacher, and one of the seven billion people with whom we share this earth. In *The Story of More*, she illuminates the link between human habits and our imperiled planet. In concise, highly readable chapters, she takes us through the science behind the key inventions—from electric power to large-scale farming to automobiles—that, even as they help us, release greenhouse gases into the atmosphere like never before. She explains the current and projected consequences of global warming—from superstorms to rising sea levels—and the actions that we all can take to fight back. At once an explainer on the mechanisms of global change and a lively, personal narrative given to us in Jahren’s inimitable voice, *The Story of More* is the essential pocket primer on climate change that will leave an indelible impact on everyone who reads it.

The Best American Science Writing 2000

There is much more to heredity than genes. For much of the twentieth century it was assumed that genes alone mediate the transmission of biological information across generations and provide the raw material for natural selection. Yet, it's now clear that genes are not the only basis of heredity. In *Extended Heredity*, evolutionary biologists Russell Bonduriansky and Troy Day explore the latest research showing that what happens during our lifetimes—and even our parents' and grandparents' lifetimes—can influence the features of our descendants. Based on this evidence, Bonduriansky and Day develop an extended concept of heredity that updates ideas about how traits can and cannot be transmitted across generations, opening the door to a new understanding of inheritance, evolution, and even human health.

Eugenics and Other Evils Illustrated

Rock stars and rap gods. Comedy legends and A-list actors. Supermodels and centerfolds. Moguls and mobsters. A president. Over his unrivaled four-decade career in radio, Howard Stern has interviewed thousands of personalities—discussing sex, relationships, money, fame, spirituality, and success with the boldest of bold-faced names. But which interviews are his favorites? It's

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one of the questions he gets asked most frequently. Howard Stern Comes Again delivers his answer. This book is a feast of conversation and more, as between the lines Stern offers his definitive autobiography—a magnum opus of confession and personal exploration. Tracy Morgan opens up about his near-fatal car crash. Lady Gaga divulges her history with cocaine. Madonna reminisces on her relationship with Tupac Shakur. Bill Murray waxes philosophical on the purpose of life. Jerry Seinfeld offers a master class on comedy. Harvey Weinstein denies the existence of the so-called casting couch. An impressive array of creative visionaries weigh in on what Stern calls “the climb”—the stories of how they struggled and eventually prevailed. As he writes in the introduction, “If you’re having trouble finding motivation in life and you’re looking for that extra kick in the ass, you will find it in these pages.” Interspersed throughout are rare selections from the Howard Stern Show archives with Donald Trump that depict his own climb: transforming from Manhattan tabloid fixture to reality TV star to president of the United States. Stern also tells of his Moby Dick-like quest to land an interview with Hillary Clinton in the run-up to the 2016 election—one of many newly written revelations from the author. He speaks with extraordinary candor about a variety of subjects, including his overwhelming insecurity early in his career, his revolutionary move from terrestrial radio to SiriusXM, and his belief in the power of psychotherapy. As Stern insightfully notes in the introduction: “The interviews collected here represent my best work and show my personal evolution. But they don’t just show my evolution. Gathered together like this, they show the evolution of popular culture over the

past quarter century.”

Spoon-Fed

The First Cell

A riveting medical mystery about a young woman’s quest to uncover the truth about her likely fatal genetic disorder that opens a window onto the exploding field of genomic medicine When Joselin Linder was in her twenties her legs suddenly started to swell. After years of misdiagnoses, doctors discovered a deadly blockage in her liver. Struggling to find an explanation for her unusual condition, Joselin compared the medical chart of her father—who had died from a mysterious disease, ten years prior—with that of an uncle who had died under similarly strange circumstances. Delving further into the past, she discovered that her great-grandmother had displayed symptoms similar to hers before her death. Clearly, this was more than a fluke. Setting out to build a more complete picture of the illness that haunted her family, Joselin approached Dr. Christine Seidman, the head of a group of world-class genetic researchers at Harvard Medical School, for help. Dr. Seidman had been working on her family’s case for twenty years and had finally confirmed that fourteen of Joselin’s relatives carried something called a

private mutation—meaning that they were the first known people to experience the baffling symptoms of a brand new genetic mutation. Here, Joselin tells the story of their gene: the lives it claimed and the future of genomic medicine with the potential to save those that remain. Digging into family records and medical history, conducting interviews with relatives and friends, and reflecting on her own experiences with the Harvard doctor, Joselin pieces together the lineage of this deadly gene to write a gripping and unforgettable exploration of family, history, and love. A compelling chronicle of survival and perseverance, *The Family Gene* is an important story of a young woman reckoning with her father's death, her own mortality, and her ethical obligations to herself and those closest to her.

Cancer Genomics for the Clinician

Do neoliberals hate the state? In the first intellectual history of neoliberal globalism, Quinn Slobodian follows neoliberal thinkers from the Habsburg Empire's fall to the creation of the World Trade Organization to show that neoliberalism emerged less to shrink government and abolish regulations than to deploy them globally to protect capitalism.

Victory in the Kitchen

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The instant New York Times bestseller. A brilliant recasting of the turning points in world history, including the one we're living through, as a collision between old power hierarchies and new social networks. "Captivating and compelling." —The New York Times "Niall Ferguson has again written a brilliant book. In 400 pages you will have restocked your mind. Do it." —The Wall Street Journal "The Square and the Tower, in addition to being provocative history, may prove to be a bellwether work of the Internet Age." —Christian Science Monitor

Most history is hierarchical: it's about emperors, presidents, prime ministers and field marshals. It's about states, armies and corporations. It's about orders from on high. Even history "from below" is often about trade unions and workers' parties. But what if that's simply because hierarchical institutions create the archives that historians rely on? What if we are missing the informal, less well documented social networks that are the true sources of power and drivers of change? The 21st century has been hailed as the Age of Networks. However, in *The Square and the Tower*, Niall Ferguson argues that networks have always been with us, from the structure of the brain to the food chain, from the family tree to freemasonry. Throughout history, hierarchies housed in high towers have claimed to rule, but often real power has resided in the networks in the town square below. For it is networks that tend to innovate. And it is through networks that revolutionary ideas can contagiously spread. Just because conspiracy theorists like to fantasize about such networks doesn't mean they are not real. From the cults of ancient Rome to the dynasties of the Renaissance, from the founding fathers to Facebook, *The Square and the Tower* tells the story of the

rise, fall and rise of networks, and shows how network theory--concepts such as clustering, degrees of separation, weak ties, contagions and phase transitions--can transform our understanding of both the past and the present. Just as *The Ascent of Money* put Wall Street into historical perspective, so *The Square and the Tower* does the same for Silicon Valley. And it offers a bold prediction about which hierarchies will withstand this latest wave of network disruption--and which will be toppled.

The Eighth Day of Creation

"A gifted and thoughtful writer, Metzl brings us to the frontiers of biology and technology, and reveals a world full of promise and peril." — Siddhartha Mukherjee MD, New York Times bestselling author of *The Emperor of All Maladies* and *The Gene* *Passionate, provocative, and highly illuminating, Hacking Darwin is the must read book about the future of our species for fans of Homo Deus and The Gene.* After 3.8 billion years humankind is about to start evolving by new rules From leading geopolitical expert and technology futurist Jamie Metzl comes a groundbreaking exploration of the many ways genetic-engineering is shaking the core foundations of our lives — sex, war, love, and death. At the dawn of the genetics revolution, our DNA is becoming as readable, writable, and hackable as our information technology. But as humanity starts retooling our own genetic code, the choices we make today will be the difference between realizing breathtaking

advances in human well-being and descending into a dangerous and potentially deadly genetic arms race. Enter the laboratories where scientists are turning science fiction into reality. Look towards a future where our deepest beliefs, morals, religions, and politics are challenged like never before and the very essence of what it means to be human is at play. When we can engineer our future children, massively extend our lifespans, build life from scratch, and recreate the plant and animal world, should we?

The Sport of Kings

From the winner of the National Book Award and the National Books Critics' Circle Award—and one of the most original thinkers of our time—“Andrew Solomon’s magisterial *Far and Away* collects a quarter-century of soul-shaking essays” (*Vanity Fair*). *Far and Away* chronicles Andrew Solomon’s writings about places undergoing seismic shifts—political, cultural, and spiritual. From his stint on the barricades in Moscow in 1991, when he joined artists in resisting the coup whose failure ended the Soviet Union, his 2002 account of the rebirth of culture in Afghanistan following the fall of the Taliban, his insightful appraisal of a Myanmar seeped in contradictions as it slowly, fitfully pushes toward freedom, and many other stories of profound upheaval, this book provides a unique window onto the very idea of social change. With his signature brilliance and compassion, Solomon demonstrates both how history is altered by individuals, and how personal

identities are altered when governments alter. A journalist and essayist of remarkable perception and prescience, Solomon captures the essence of these cultures. Ranging across seven continents and twenty-five years, these “meaty dispatches...are brilliant geopolitical travelogues that also comprise a very personal and reflective resume of the National Book Award winner’s globe-trotting adventures” (Elle). *Far and Away* takes a magnificent journey into the heart of extraordinarily diverse experiences: “You will not only know the world better after having seen it through Solomon’s eyes, you will also care about it more” (Elizabeth Gilbert).

Who We Are and How We Got Here

Alain Elkann has mastered the art of the interview. With a background in novels and journalism, and having published over twenty books translated across ten languages, he infuses his interviews with innovation, allowing them to flow freely and organically. *Alain Elkann Interviews* will provide an unprecedented window into the minds of some of the most well-known and -respected figures of the last twenty-five years.

Far and Away

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Updated to include new findings in gene editing, epigenetics, agricultural chemistry, as well as two new chapters on personal genomics and cancer research

Money

So much to read, so little time? This brief overview of *The Gene* tells you what you need to know—before or after you read Siddhartha Mukherjee’s book. Crafted and edited with care, Worth Books set the standard for quality and give you the tools you need to be a well-informed reader. This short summary and analysis of *The Gene* by Siddhartha Mukherjee includes: Historical context Chapter-by-chapter summaries Detailed timeline of key events Important quotes Fascinating trivia Glossary of terms Supporting material to enhance your understanding of the original work About Siddhartha Mukherjee’s *The Gene*: From the Pulitzer Prize-winning author of *The Emperor of All Maladies*, *The Gene* is a rigorously scientific, broadly historical, and candidly personal account of the development of the science of genetics, the dramatic ways genes can affect us, and the enormous moral questions posed by our ability to manipulate them. As Siddhartha Mukherjee maps out the fascinating biography of the gene, from research and experimentation to scientific breakthroughs, he always returns to the narrative of his own family’s tragic history of mental illness, reminding us that despite our huge leaps in knowledge, there is still much we do not understand about the incredibly complex human genome. *The Gene* is an important read for anyone concerned

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about a future that may redefine what it means to be human. The summary and analysis in this ebook are intended to complement your reading experience and bring you closer to a great work of nonfiction.

Body Love

The Story of More

The #1 NEW YORK TIMES Bestseller The basis for the PBS Ken Burns Documentary The Gene: An Intimate History From the Pulitzer Prize-winning author of The Emperor of All Maladies—a fascinating history of the gene and “a magisterial account of how human minds have laboriously, ingeniously picked apart what makes us tick” (Elle). “Sid Mukherjee has the uncanny ability to bring together science, history, and the future in a way that is understandable and riveting, guiding us through both time and the mystery of life itself.” –Ken Burns “Dr. Siddhartha Mukherjee dazzled readers with his Pulitzer Prize-winning The Emperor of All Maladies in 2010. That achievement was evidently just a warm-up for his virtuoso performance in The Gene: An Intimate History, in which he braids science, history, and memoir into an epic with all the range and biblical thunder of Paradise Lost” (The New York Times). In this biography Mukherjee brings to life the quest to

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understand human heredity and its surprising influence on our lives, personalities, identities, fates, and choices. “Mukherjee expresses abstract intellectual ideas through emotional stories...[and] swaddles his medical rigor with rhapsodic tenderness, surprising vulnerability, and occasional flashes of pure poetry” (The Washington Post). Throughout, the story of Mukherjee’s own family—with its tragic and bewildering history of mental illness—reminds us of the questions that hang over our ability to translate the science of genetics from the laboratory to the real world. In riveting and dramatic prose, he describes the centuries of research and experimentation—from Aristotle and Pythagoras to Mendel and Darwin, from Boveri and Morgan to Crick, Watson and Franklin, all the way through the revolutionary twenty-first century innovators who mapped the human genome. “A fascinating and often sobering history of how humans came to understand the roles of genes in making us who we are—and what our manipulation of those genes might mean for our future” (Milwaukee Journal-Sentinel), *The Gene* is the revelatory and magisterial history of a scientific idea coming to life, the most crucial science of our time, intimately explained by a master. “*The Gene* is a book we all should read” (USA TODAY).

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Our sense of smell - or olfaction as it is technically known - is our most enigmatic sense. It can conjure up memories, taking us back to very specific places and

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emotions, whilst powerful smells can induce strong feelings of hunger or nausea. In the animal kingdom smell can be used to find food, a mate, or a home; to sense danger; and to send and receive complex messages with other members of a species. Yet despite its fundamental importance in our mental life and in the existence of all animals, our scientific understanding of how smell works is limited. In this Very Short Introduction, Matthew Cobb describes the latest scientific research on smell in humans and other mammals, in insects, and even in fish. He looks at how smell evolved, how animals use it to navigate and communicate, and disorders of smell in humans. Understanding smell, especially its neurobiology, has proved a big challenge, but olfactory science has revealed genetic factors that determine what we can and cannot smell, and why some people like a given smell while others find it unbearable. He ends by considering future treatments for smell disorders, and speculating on the role of smell in a world of robots. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

The Idea of the Brain

With the fascinating scholarship of *The Emperor of All Maladies* and the deeply

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personal experience of *When Breath Becomes Air*, a world-class oncologist examines the current state of cancer and its devastating impact on the individuals it affects -- including herself. In *The First Cell*, Azra Raza offers a searing account of how both medicine and our society (mis)treats cancer, how we can do better, and why we must. A lyrical journey from hope to despair and back again, *The First Cell* explores cancer from every angle: medical, scientific, cultural, and personal. Indeed, Raza describes how she bore the terrible burden of being her own husband's oncologist as he succumbed to leukemia. Like *When Breath Becomes Air*, *The First Cell* is no ordinary book of medicine, but a book of wisdom and grace by an author who has devoted her life to making the unbearable easier to bear.

DNA

Based on the PBS documentary by Ken Burns, Erik Ewers, and Christopher Loren Ewers. On September 30, 1889, W.W. Mayo and his sons Will and Charlie performed the very first operation at a brand-new Catholic hospital in Rochester, Minnesota. It was called Saint Marys. The hospital arose out of the devastation of a tornado that had struck the town six years earlier. After the storm, Mother Alfred Moes of the Sisters of Saint Francis told the Mayos that she had a vision of building a hospital that would "become world renowned for its medical arts." Based on the film by acclaimed documentary filmmaker Ken Burns, *The Mayo Clinic: Faith, Hope, Science* chronicles the history of this unique organization, from its roots as an

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unlikely partnership between a country doctor and a Franciscan order of nuns to its position today as a worldwide model for patient care, research, and education. Featuring more than 400 compelling archival and modern images, as well as the complete script from the film, the book demonstrates how the institution's remarkable 150-year history continues to inspire the way medicine is practiced there today. In addition, a series of case studies reveals patients, doctors, and nurses in their most private moments as together they face difficult diagnoses and embark on uncertain treatments. The film and this companion book tell the story of an organization that has managed to stay true to its primary value—the needs of the patient come first. Together, they make an important contribution to the critical discussions about the delivery of health care today in America and the world.

Globalists

Hacking Darwin

THE SUNDAY TIMES BESTSELLER The groundbreaking new book from Tim Spector, bestselling author of *The Diet Myth* and creator of the COVID Symptom Study app. 'Illuminating and so incredibly timely.' Yotam Ottolenghi We are all

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bombarded with advice about what we should and shouldn't eat, and new scientific discoveries are announced every day. Yet the more we are told about nutrition, the less we seem to understand. Through his pioneering scientific research, Tim Spector has been shocked to discover how little good evidence there is for many of our most deep-rooted ideas about food. In a series of short, myth-busting chapters, Spoon-Fed reveals why almost everything we've been told about food is wrong. Spector explores the scandalous lack of good science behind many medical and government food recommendations, and how the food industry holds sway over these policies and our choices. Spoon-Fed is a groundbreaking book that forces us to question every diet plan, official recommendation, miracle cure or food label we encounter, and encourages us to rethink our whole relationship with food. Diet may be the most important medicine we all possess. We urgently need to learn how best to use it, not just for our health as individuals but for the future of the planet. 'One of the clearest and most accessible short nutrition books I have read: refreshingly open-minded, deeply informative and free of faddish diet rules.' Bee Wilson, Guardian 'This book should be available on prescription.' Felicity Cloake, Literary Review

Not That Bad

Longlisted for the Booker Prize Named a Best Book of the Year By: The New York Times Book Review (Notable Books of the Year) * The New York Public Library * The

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Washington Post * Time.com * The New York Times Critics' (Parul Seghal's Top Books of the Year) * St. Louis Post Dispatch * Apple * Publisher's Weekly An electrifying novel about beauty, envy, and carelessness from Deborah Levy, author of the Booker Prize finalists *Hot Milk* and *Swimming Home*. It is 1988 and Saul Adler, a narcissistic young historian, has been invited to Communist East Berlin to do research; in exchange, he must publish a favorable essay about the German Democratic Republic. As a gift for his translator's sister, a Beatles fanatic who will be his host, Saul's girlfriend will shoot a photograph of him standing in the crosswalk on Abbey Road, an homage to the famous album cover. As he waits for her to arrive, he is grazed by an oncoming car, which changes the trajectory of his life. *The Man Who Saw Everything* is about the difficulty of seeing ourselves and others clearly. It greets the specters that come back to haunt old and new love, previous and current incarnations of Europe, conscious and unconscious transgressions, and real and imagined betrayals, while investigating the cyclic nature of history and its reinvention by people in power. Here, Levy traverses the vast reaches of the human imagination while artfully blurring sexual and political binaries-feminine and masculine, East and West, past and present--to reveal the full spectrum of our world.

The Square and the Tower

Why Do Genetics Matter to You? This book is a summary of “The Gene: An Intimate

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History,” by Siddhartha Mukherjee. Siddhartha Mukherjee’s book chronicles the fascinating history of discovery in classical genetics, molecular genetics, genetic engineering, and the human genome project. It shows: * How our genes and the environment define our identities and personalities; * How genetic engineering technologies can be used to manufacture drugs safely; and * How genetic diagnosis and gene therapies can be used to treat complex genetic diseases. Genetics is at the frontiers of science today, and its impact is often misunderstood. The public is often misled by science fiction and remains largely in the dark as to the actual consequences of advances in the biotechnology and genetic engineering industries. Studying genetics can help you understand the economic, social, and ethical implications of these technologies. Read this book to understand the key concepts of genetics and the economic, social, and ethical implications of the genetic engineering technologies. This guide includes: * Book Summary—helps you understand the key concepts. * Online Videos—cover the concepts in more depth. Value-added from this guide: * Save time * Understand key concepts * Expand your knowledge

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