

## Evolution The Story Of Life On Earth

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The Selfish Gene  
Annabelle and Aiden in the Story of Life  
The Story of Life  
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### The Ancestor's Tale

Daniel Nash struggles to reconcile his feelings of betrayal with his desire to understand his life. His hopes of uncovering the secrets revealed in his father's journals are quickly dashed, and he works with a private investigator to discover the truth. Worry about his wife, Sarah, combines with his efforts to cope with his childhood trauma, an unexpected death, and the recent revelations. His obsession with the past threatens to destroy his stable life. Meanwhile, Sarah and her father, Tristan, continue to combat the lingering discord that developed between them years before but refuse to take their main focus from Daniel. As he reviews his biological father's efforts to be a good man, Daniel searches for a way to comprehend shocking disclosures. He questions his own

goodness as he fights not to emotionally withdraw from those around him, especially the two people he knows will always love him, Sarah and Tristan.

### **The Selfish Gene**

Let's face it: From adenines to zygotes, from cytokinesis to parthenogenesis, even the basics of genetics can sound utterly alien. So who better than an alien to explain it all? Enter Bloort 183, a scientist from an asexual alien race threatened by disease, who's been charged with researching the fundamentals of human DNA and evolution and laying it all out in clear, simple language so that even his slow-to-grasp-the-point leader can get it. In the hands of the award-winning writer Mark Schultz, Bloort's predicament becomes the means of giving even the most science-phobic reader a complete introduction to the history and science of genetics that's as easy to understand as it is entertaining to read.

### **Annabelle and Aiden in the Story of Life**

The Tyler family had the perfect life - until sixteen-year-old Leah decided she didn't want to be perfect anymore. While Leah's parents fight to save their daughter from destroying her brilliant future, Leah's younger sister, Justine, must cope with the damage her out-of-control sibling leaves in her wake. Will this family survive? What happens when love just isn't enough? Jodi Picoult fans will love *In Leah's Wake* - a heartbreaking, ultimately redemptive story about family, connection and our responsibility to those we love.

### **The Story of Life**

It's a new season and springtime brings more heartwarming stories of life, love and faith. In this collection you will find out what happens to Christian, meet Emma and fall in love with a special child named Mary. Other new characters will capture your heart as well, and you will be moved by each of them as you journey in their lives. Little Stories of Life: Spring Edition is truly another inspiring book of short stories for everyone.

## **Life on Earth**

Where did we come from? It's a simple question, but not so simple an answer to explain—especially to young children. Charles Darwin's theory of common descent no longer needs to be a scientific mystery to inquisitive young readers. Meet Grandmother Fish. Told in an engaging call and response text where a child can wiggle like a fish or hoot like an ape and brought to life by vibrant artwork, Grandmother Fish takes children and adults through the history of life on our planet and explains how we are all connected. The book also includes comprehensive backmatter, including: - An elaborate illustration of the evolutionary tree of life - Helpful science notes for parents - How to explain natural selection to a child

## **Wonderful Life: The Burgess Shale and the Nature of History**

How did life start? Is the evolution of life describable by any physics-like laws? Stuart Kauffman's latest book offers an explanation-beyond what the laws of physics can explain-of the progression from a complex chemical environment to molecular reproduction, metabolism and to early protocells, and further evolution to what we recognize as life. Among the estimated one hundred billion solar systems in the known

universe, evolving life is surely abundant. That evolution is a process of "becoming" in each case. Since Newton, we have turned to physics to assess reality. But physics alone cannot tell us where we came from, how we arrived, and why our world has evolved past the point of unicellular organisms to an extremely complex biosphere. Building on concepts from his work as a complex systems researcher at the Santa Fe Institute, Kauffman focuses in particular on the idea of cells constructing themselves and introduces concepts such as "constraint closure." Living systems are defined by the concept of "organization" which has not been focused on in enough in previous works. Cells are autopoietic systems that build themselves: they literally construct their own constraints on the release of energy into a few degrees of freedom that constitutes the very thermodynamic work by which they build their own self creating constraints. Living cells are "machines" that construct and assemble their own working parts. The emergence of such systems-the origin of life problem-was probably a spontaneous phase transition to self-reproduction in complex enough prebiotic systems. The resulting protocells were capable of Darwin's heritable variation, hence opened evolution by natural selection. Evolution propagates this burgeoning organization. Evolving living creatures, by existing, create new niches into which yet further new creatures can emerge. If life is abundant in the universe, this self-constructing, propagating, exploding diversity takes us beyond physics to biospheres everywhere.

## **Evolution**

An accessible graphic introduction to evolution for the most science-phobic reader Illustrated by the brilliant duo Kevin Cannon and Zander Cannon, this volume is written by the

noted comic author and professor of biology Jay Hosler. Evolution features the same characters introduced in the highly regarded *The Stuff of Life: A Graphic Guide to Genetics and DNA*, now here to explain the fundamentals of the evolution of life on earth. On the heels of explaining to his planetary leader the intricacies of human genetics in *The Stuff of Life*, the intrepid alien scientist Bloort-183 is charged in this sequel with covering the wider story of evolution. Using the same storytelling conceit that *Plenty* magazine declared “so charming that you won’t even notice you’ve absorbed an entire scientific field” and that caused *Seed* to pick *The Stuff of Life* as a best book of 2008, *Evolution* brilliantly answers *Wired*’s demand, “What’s the solution to America’s crisis in science education? More comic books!” *Evolution*, the most accessible graphic work on this universally studied subject, takes the reader from earth’s primordial soup to the vestigial structures, like the coccyx and the male nipple, of modern humans. Once again, the award-winning illustrations of the Cannons render the complex clear and everything cleverly comedic. And in Hosler, *Evolution* has an award-winning biology teacher whose science comics have earned him a National Science Foundation grant and an interview on NPR’s Morning Edition.

### **The Story of Life**

This new extended edition of *Story of Life* is the perfect gift for those with a love of the natural world. Wander the galleries - open 365 days a year - and discover a collection of curated exhibits on every page, accompanied by informative text. Each chapter features key species from a different geological era with fantastic new artwork from Katie Scott.

## How Life Began

### The Evolution of Human Life History

Have you ever wondered if it is possible to be a conservative evangelical Christian and also believe in biological evolution-believe that the Earth is 4.5 billion years old and that human beings share a common ancestor with not only chimpanzees, but also with mice and even earthworms? In *Exploring Faith and Reason*, you will find that it is not only possible, it is an essential element of how many Christians come to more fully appreciate the complexity and the great glory of God's creation. Of course many people-Christians and non-Christians alike-think that Christianity and evolution are opposing concepts. They perceive several specific points of conflict between them. Bruce Glass addresses each of these concerns by citing Scripture and the world's most respected theologians and by the application of reason. *Revealed* is a deeper and richer understanding of Biblical Scripture and its history. But most importantly, readers will gain a greater appreciation of the power and the capabilities of a living God that transcends space and time, as this insight is united with the findings of science. Kirkus Reviews described *Exploring Faith and Reason* this way: "Smart, well-informed lucid, engaging Glass delivers a superb exposition of Darwinian theory and a meticulous, sharply reasoned discussion of the evidence that supports it. His logic is impeccable when he insists that evolutionary theory does not rule out the existence of God." Tremper Longman III, Ph.D., Robert H. Gundry Professor of Biblical Studies at Westmont College said, "As a non-scientist, I found that *Exploring Faith and Reason* presents an accessible, fascinating, and compelling

presentation of evolution. As a biblical scholar, I appreciate Glass' grasp of theological issues and the biblical text. His conclusion that evolution and Christianity are compatible is a crucial message for the church today." Peter Enns, Ph.D., Professor of Christian Studies at Eastern University said, "Glass has provided a thorough look at the evidence and the processes of evolution, along side a compelling case for its compatibility with Christianity. His theological analysis is very sound as he addresses several of the commonly perceived points of tension between the Christian faith and evolution. For a thorough understanding of these issues, this book is among the very best resources available." Reverend Jordan Ogden, Lead Pastor at Antioch Community Church in Dallas, said: "Mr. Glass tackles a historically controversial topic with finesse. Wherever one may be on the issue of evolution, Glass' superb scholarship and unbiased commentary on issues of faith does not disappoint." Reverend Dr. Kristin Huffman, Associate Pastor at Memorial Drive Presbyterian Church in Houston, said: "Bruce Glass has provided a thought provoking look at the most significant theological issues arising from the advent of evolutionary science. Whatever their conclusions, readers will find Mr. Glass' treatment a welcome reminder of the richness and depth of God's Word, as well as a fresh perspective on God's glorious creation." ForeWord Clarion Reviews described it as, "Well written, thoroughly researched, and honestly fair The book's thorough and eminently readable scientific explanations provide general science readers with a lucid understanding of this complex subject." Reverend Michael Dowd, author of Thank God for Evolution, endorsed by six Nobel Prize-winning scientists and by religious leaders across the spectrum, said that, "In Exploring Faith and Reason. Bruce Glass has emerged as a fresh voice for the reconciliation of head and heart. Couched in the language and theology of

conservative evangelical Christianity, Mr. Glass' book provides a welcomed bridge between an evidential worldview and traditional Christian conviction. Believers and non-believers alike will find much of value in these pages."

### **Evolution**

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## Historium

There are millions of different kinds of plants and animals living on the earth. Many millions more lived here in the past. Where did they all come from? Why have some become extinct and others lived on? In this remarkable book for children, Steve Jenkins explores the fascinating history of life on earth and the awe-inspiring story of evolution, Charles Darwin's great contribution to modern science.

## The God Delusion. 10th Anniversary Edition

At first, nothing lived on Earth. It was a noisy, hot, scary place. Choking gas exploded from volcanoes and oceans of lava bubbled around the globe. Then in the deep, dark ocean, something amazing happened. This is an exciting and dramatic story about how life began and developed on Planet Earth, written especially for younger children. The authors explain how the first living cell was created, and how the cells multiply and create jellyfish and worms, and then fish with bendy necks, which drag themselves out of the water into swampy forests. They tell the story of the biggest creatures that have ever walked on land - the dinosaurs. Long after that, hairy creatures who have babies, not eggs, take over, stand on two legs and spread around the world, some of them living through cataclysmic events such as ice ages and volcanic eruptions. Everyone living today is related to these survivors. With delightful illustrations including lots of detail and humour, all carefully researched and checked, this book shows the development of life on Earth in a truly accessible and simple way. [CLICK HERE](#) to download Teachers' Notes specially written by the authors, Catherine Barr and Steve Williams, to assist teachers and librarians in the promotion

and teaching of The Story of Life in schools and to help foster a love of good books, literature and reading in children.

## **The Stuff of Life**

In this inspirational storybook written in rhyme, Annabelle asks "Why do we look, the way that we do? With hands and feet, in neat sets of two? What made my eyes? And what made my nose? And the shape of my body, from my head to my toes?" A wise owl answers with the amazing story of Darwinian evolution, and perhaps more importantly, what we can learn from it: to be kind to one another, as we are all related in the same family tree.

## **The Story of Life: Evolution (Extended Edition)**

The God Delusion caused a sensation when it was published in 2006. Within weeks it became the most hotly debated topic, with Dawkins himself branded as either saint or sinner for presenting his hard-hitting, impassioned rebuttal of religion of all types. His argument could hardly be more topical. While Europe is becoming increasingly secularized, the rise of religious fundamentalism, whether in the Middle East or Middle America, is dramatically and dangerously dividing opinion around the world. In America, and elsewhere, a vigorous dispute between 'intelligent design' and Darwinism is seriously undermining and restricting the teaching of science. In many countries religious dogma from medieval times still serves to abuse basic human rights such as women's and gay rights. And all from a belief in a God whose existence lacks evidence of any kind. Dawkins attacks God in all his forms. He eviscerates the major arguments for religion and demonstrates the supreme improbability of a supreme being.

He shows how religion fuels war, foments bigotry and abuses children. The God Delusion is a brilliantly argued, fascinating polemic that will be required reading for anyone interested in this most emotional and important subject.

### **Soul Story**

The history of life on Earth is, in some form or another, known to us all--or so we think. A New History of Life offers a provocative new account, based on the latest scientific research, of how life on our planet evolved--the first major new synthesis for general readers in two decades. Charles Darwin's theories, first published more than 150 years ago, form the backbone of how we understand the history of the Earth. In reality, the currently accepted history of life on Earth is so flawed, so out of date, that it's past time we need a 'New History of Life.' In their latest book, Joe Kirschvink and Peter Ward will show that many of our most cherished beliefs about the evolution of life are wrong. Gathering and analyzing years of discoveries and research not yet widely known to the public, A New History of Life proposes a different origin of species than the one Darwin proposed, one which includes eight-foot-long centipedes, a frozen "snowball Earth", and the seeds for life originating on Mars. Drawing on their years of experience in paleontology, biology, chemistry, and astrobiology, experts Ward and Kirschvink paint a picture of the origins life on Earth that are at once too fabulous to imagine and too familiar to dismiss--and looking forward, A New History of Life brilliantly assembles insights from some of the latest scientific research to understand how life on Earth can and might evolve far into the future.

### **Amazing Evolution**

In this book the author, a Harvard evolutionary biologist presents an account of how the human body has evolved over millions of years, examining how an increasing disparity between the needs of Stone Age bodies and the realities of the modern world are fueling a paradox of greater longevity and chronic disease. It illuminates the major transformations that contributed key adaptations to the body: the rise of bipedalism; the shift to a non-fruit-based diet; the advent of hunting and gathering, leading to our superlative endurance athleticism; the development of a very large brain; and the incipience of cultural proficiencies. The author also elucidates how cultural evolution differs from biological evolution, and how our bodies were further transformed during the Agricultural and Industrial Revolutions. While these ongoing changes have brought about many benefits, they have also created conditions to which our bodies are not entirely adapted, the author argues, resulting in the growing incidence of obesity and new but avoidable diseases, such as type 2 diabetes. The author proposes that many of these chronic illnesses persist and in some cases are intensifying because of 'dysevolution,' a pernicious dynamic whereby only the symptoms rather than the causes of these maladies are treated. And finally, he advocates the use of evolutionary information to help nudge, push, and sometimes even compel us to create a more salubrious environment. -- From publisher's web site.

### **A World Beyond Physics**

A study of the Burgess Shale, a sea bed 530 million years old, and attempts to tackle what the findings are and what it means

## **The Story of the Human Body**

### **Exploring Faith and Reason**

Can there be freedom and free will in a deterministic world? Renowned philosopher Daniel Dennett emphatically answers “yes!” Using an array of provocative formulations, Dennett sets out to show how we alone among the animals have evolved minds that give us free will and morality. Weaving a richly detailed narrative, Dennett explains in a series of strikingly original arguments—drawing upon evolutionary biology, cognitive neuroscience, economics, and philosophy—that far from being an enemy of traditional explorations of freedom, morality, and meaning, the evolutionary perspective can be an indispensable ally. In *Freedom Evolves*, Dennett seeks to place ethics on the foundation it deserves: a realistic, naturalistic, potentially unified vision of our place in nature.

### **A New History of Life**

Where did the first cells come from? Why did creatures first crawl out of the ocean? Why do humans have tailbones? This beautifully illustrated, highly accessible book invites young readers to discover the extraordinary true story of evolution: from DNA, to dinosaurs, to the diversity of life today. The answers to some of the very biggest questions are given in clear, easy-to-understand language, which is underpinned with rigorous scientific accuracy. Explore one of the most incredible ideas in modern science: how a simple principle - natural selection - has given rise to the mind-boggling diversity of life on Earth today. A perfect gift for children aged

8 and up.

## **Evolution**

An ethologist shows man to be a gene machine whose world is one of savage competition and deceit

## **Little Stories of Life**

THE EMERGENCE OF SOUL, MEANING AND IMMORTALITY The grand religious stories that gave meaning to life and death in the past have crumbled under sceptical scrutiny. The dominant mainstream philosophy is now scientific objectivism, which describes a universe that exists for no reason and a life that ends in oblivion. Pioneering philosopher Tim Freke addresses the "soul crisis" in modern culture that has arisen from lack of meaning. He offers an intelligent "spiritual" perspective on life and death to help us make sense of a paradoxical world, which is sometimes bleak and banal, but also can be magical and full of significance. He presents a revolutionary paradigm shift in our understanding of reality that integrates the deepest insights of science and spirituality to create a new model of human identity, which makes the idea of the immortal soul intellectually credible. He explores the process of evolution, not as blind chance, but as the momentous story of the self-realising universe. The development of the material world has led to the emergence of "psyche" or "soul," which you are experiencing right now as a stream of thoughts and images that don't exist in space and aren't made of matter. We are not insignificant specks in a vast purposeless cosmos. We are significant participants in the magnificent and meaningful story of soul. The universe is coming to know itself through

each one of us and this process doesn't end at death, because the evolution of soul has also been the evolution of immortality.

## **Evolution**

Join Ackerley the Acanthostega who takes you on a journey through time to explore the development of life on our wonderful planet, from the earliest organisms of 3.6 billion years ago, through to the arrival of primates 60 million years ago, to modern humans who have been around for less than 200,000 years. Discover: - the giant insects that roamed our planet 440 million years ago - how giant dinosaurs ruled for over 180 million years - how the mass extinction 65 million years ago wiped out nearly all life on Earth - the rise of mammals to become the dominant species With brilliant CGI illustrations, fun diagrams and loads of humor, this book answer's, simply and honestly, the important and fascinating questions about life on Earth and how it evolved.

## **Life on a Young Planet**

Relates the evolution of the family of mankind, from single cells in the sea to human beings with "big brains that wonder who we are."

## **Evolution**

Every fossil tells a story. Best-selling paleontology author Donald R. Prothero describes twenty-five famous, beautifully preserved fossils in a gripping scientific history of life on Earth. Recounting the adventures behind the discovery of these objects and fully interpreting their significance within the

larger fossil record, Prothero creates a riveting history of life on our planet. The twenty-five fossils portrayed in this book catch animals in their evolutionary splendor as they transition from one kind of organism to another. We witness extinct plants and animals of microscopic and immense size and thrilling diversity. We learn about fantastic land and sea creatures that have no match in nature today. Along the way, we encounter such fascinating fossils as the earliest trilobite, *Olenellus*; the giant shark *Carcharocles*; the "fishibian" *Tiktaalik*; the "Frogamander" and the "Turtle on the Half-Shell"; enormous marine reptiles and the biggest dinosaurs known; the first bird, *Archaeopteryx*; the walking whale *Ambulocetus*; the gigantic hornless rhinoceros *Paraceratherium*, the largest land mammal that ever lived; and the *Australopithecus* nicknamed "Lucy," the oldest human skeleton. We meet the scientists and adventurers who pioneered paleontology and learn about the larger intellectual and social contexts in which their discoveries were made. Finally, we find out where to see these splendid fossils in the world's great museums. Ideal for all who love prehistoric landscapes and delight in the history of science, this book makes a treasured addition to any bookshelf, stoking curiosity in the evolution of life on Earth.

### **The History of Life on Earth**

*Australopithecines*, dinosaurs, trilobites--such fossils conjure up images of lost worlds filled with vanished organisms. But in the full history of life, ancient animals, even the trilobites, form only the half-billion-year tip of a nearly four-billion-year iceberg. Andrew Knoll explores the deep history of life from its origins on a young planet to the incredible Cambrian explosion, presenting a compelling new explanation for the

emergence of biological novelty. The very latest discoveries in paleontology--many of them made by the author and his students--are integrated with emerging insights from molecular biology and earth system science to forge a broad understanding of how the biological diversity that surrounds us came to be. Moving from Siberia to Namibia to the Bahamas, Knoll shows how life and environment have evolved together through Earth's history. Innovations in biology have helped shape our air and oceans, and, just as surely, environmental change has influenced the course of evolution, repeatedly closing off opportunities for some species while opening avenues for others. Readers go into the field to confront fossils, enter the lab to discern the inner workings of cells, and alight on Mars to ask how our terrestrial experience can guide exploration for life beyond our planet. Along the way, Knoll brings us up-to-date on some of science's hottest questions, from the oldest fossils and claims of life beyond the Earth to the hypothesis of global glaciation and Knoll's own unifying concept of "permissive ecology." In laying bare Earth's deepest biological roots, *Life on a Young Planet* helps us understand our own place in the universe--and our responsibility as stewards of a world four billion years in the making. In a new preface, Knoll describes how the field has broadened and deepened in the decade since the book's original publication.

### **Evolution**

New York Times Best Seller How will Artificial Intelligence affect crime, war, justice, jobs, society and our very sense of being human? The rise of AI has the potential to transform our future more than any other technology—and there's nobody better qualified or situated to explore that future than

Max Tegmark, an MIT professor who's helped mainstream research on how to keep AI beneficial. How can we grow our prosperity through automation without leaving people lacking income or purpose? What career advice should we give today's kids? How can we make future AI systems more robust, so that they do what we want without crashing, malfunctioning or getting hacked? Should we fear an arms race in lethal autonomous weapons? Will machines eventually outsmart us at all tasks, replacing humans on the job market and perhaps altogether? Will AI help life flourish like never before or give us more power than we can handle? What sort of future do you want? This book empowers you to join what may be the most important conversation of our time. It doesn't shy away from the full range of viewpoints or from the most controversial issues—from superintelligence to meaning, consciousness and the ultimate physical limits on life in the cosmos.

### **The Story of Life in 25 Fossils**

The birth and evolution of our solar system is a tantalizing mystery that may one day provide answers to the question of human origins. *From Dust to Life* tells the remarkable story of how the celestial objects that make up the solar system arose from common beginnings billions of years ago, and how scientists and philosophers have sought to unravel this mystery down through the centuries, piecing together the clues that enabled them to deduce the solar system's layout, its age, and the most likely way it formed. Drawing on the history of astronomy and the latest findings in astrophysics and the planetary sciences, John Chambers and Jacqueline Mitton offer the most up-to-date and authoritative treatment of the subject available. They examine how the evolving

universe set the stage for the appearance of our Sun, and how the nebulous cloud of gas and dust that accompanied the young Sun eventually became the planets, comets, moons, and asteroids that exist today. They explore how each of the planets acquired its unique characteristics, why some are rocky and others gaseous, and why one planet in particular--our Earth--provided an almost perfect haven for the emergence of life. *From Dust to Life* is a must-read for anyone who desires to know more about how the solar system came to be. This enticing book takes readers to the very frontiers of modern research, engaging with the latest controversies and debates. It reveals how ongoing discoveries of far-distant extrasolar planets and planetary systems are transforming our understanding of our own solar system's astonishing history and its possible fate.

### **A Good Man's Life**

Draws on the latest scientific information to recreate the story of life on Earth, with introductory articles on evolution and an index to the hundreds of species depicted in the illustrations.

### **From Dust to Life**

A century and a half after the publication of *Origin of Species*, evolutionary thinking has expanded beyond the field of biology to include virtually all human-related subjects—anthropology, archeology, psychology, economics, religion, morality, politics, culture, and art. Now a distinguished scholar offers the first comprehensive account of the evolutionary origins of art and storytelling. Brian Boyd explains why we tell stories, how our minds are shaped to understand them, and what difference an evolutionary

understanding of human nature makes to stories we love. Art is a specifically human adaptation, Boyd argues. It offers tangible advantages for human survival, and it derives from play, itself an adaptation widespread among more intelligent animals. More particularly, our fondness for storytelling has sharpened social cognition, encouraged cooperation, and fostered creativity. After considering art as adaptation, Boyd examines Homer's *Odyssey* and Dr. Seuss's *Horton Hears a Who!* demonstrating how an evolutionary lens can offer new understanding and appreciation of specific works. What triggers our emotional engagement with these works? What patterns facilitate our responses? The need to hold an audience's attention, Boyd underscores, is the fundamental problem facing all storytellers. Enduring artists arrive at solutions that appeal to cognitive universals: an insight out of step with contemporary criticism, which obscures both the individual and universal. Published for the bicentenary of Darwin's birth and the 150th anniversary of the publication of *Origin of Species*, Boyd's study embraces a Darwinian view of human nature and art, and offers a credo for a new humanism.

### **Freedom Evolves**

At first, nothing lived on Earth. It was a noisy, hot, scary place. Choking gas exploded from volcanoes and oceans of lava bubbled around the globe. Then in the deep, dark ocean, something amazing happened. This is an exciting and dramatic story about how life began and developed on Planet Earth, written especially for younger children. The authors explain how the first living cell was created, and how the cells multiply and create jellyfish and worms, and then fish with bendy necks, which drag themselves out of the water into

swampy forests. They tell the story of the biggest creatures that have ever walked on land - the dinosaurs. Long after that, hairy creatures who have babies, not eggs, take over, stand on two legs and spread around the world, some of them living through cataclysmic events such as ice ages and volcanic eruptions. Everyone living today is related to these survivors. With delightful illustrations including lots of detail and humour, all carefully researched and checked, this book shows the development of life on Earth in a truly accessible and simple way.

### **In Leah's Wake**

Human beings may share 98 percent of their genetic makeup with their nonhuman primate cousins, but they have distinctive life histories. When and why did these uniquely human patterns evolve? To answer that question, this volume brings together specialists in hunter-gatherer behavioral ecology and demography, human growth, development, and nutrition, paleodemography, human paleontology, primatology, and the genomics of aging. The contributors identify and explain the peculiar features of human life histories, such as the rate and timing of processes that directly influence survival and reproduction. Drawing on new evidence from paleoanthropology, they question existing arguments that link human's extended childhood dependency and long 'post-reproductive' lives to brain development, learning, and distinctively human social structures. The volume reviews alternative explanations for the distinctiveness of human life history and incorporates multiple lines of evidence in order to test them.

### **Grandmother Fish**

The theory of evolution unites the past, present, and future of living things. It puts humanity's place in the universe into necessary perspective. Despite a history of controversy, the evidence for evolution continues to accumulate as a result of many separate strands of amazing scientific sleuthing. In *The Story of Evolution in 25 Discoveries*, Donald R. Prothero explores the most fascinating breakthroughs in piecing together the evidence for evolution. In twenty-five vignettes, he recounts the dramatic stories of the people who made crucial discoveries, placing each moment in the context of what it represented for the progress of science. He tackles topics like what it means to see evolution in action and what the many transitional fossils show us about evolution, following figures from Darwin to lesser-known researchers as they unlock the mysteries of the fossil record, the earth, and the universe. The book also features the stories of animal species strange and familiar, including humans—and our ties to some of our closest relatives and more distant cousins. Prothero's wide-ranging tales showcase awe-inspiring and bizarre aspects of nature and the powerful insights they give us into the way that life works. Brisk and entertaining while firmly grounded in fundamental science, *The Story of Evolution in 25 Discoveries* is a captivating read for anyone curious about the evidence for evolution and what it means for humanity.

### **Life 3.0**

Welcome to the museum! Here you will find a collection of objects from ancient civilisations. Objects of beauty, objects of functionality, objects of war, objects of life, and objects of death and burial. As you wander from room to room, explore the magnificence of what civilisations have left behind over

thousands of years of human history.

## **Our Family Tree**

Evolution is one of the most fundamental principles that governs life. Its actions may be subtle, but they can be observed every day, such as predators hunting prey, or plant successions in competing for empty space. These habituations were envisaged by Charles Darwin to be the properties of nature that lead to evolution and prompted the conceptualisation of the theory of natural selection. The force of this process can be most dramatically depicted by looking at the variation of organisms throughout the history of life on Earth.

## **On the Origin of Stories**

What happened, how it happened, and when. Ten expert contributors tell the story.

## **Story of Life**

Includes “Story of Your Life” the basis for the major motion picture Arrival, starring Amy Adams, Forest Whitaker, Jeremy Renner, and directed by Denis Villeneuve. “Shining, haunting, mind-blowing tales . . . Ted Chiang is so exhilarating, so original, so stylish he just leaves you speechless.” —Junot Díaz Stories of Your Life and Others delivers dual delights of the very, very strange and the heartbreakingly familiar, often presenting characters who must confront sudden change—the inevitable rise of automatons or the appearance of aliens—with some sense of normalcy. With sharp intelligence and humor, Chiang

examines what it means to be alive in a world marked by uncertainty, but also by beauty and wonder. An award-winning collection from one of today's most lauded writers, *Stories of Your Life and Others* is a contemporary classic.

### **The Story of Evolution in 25 Discoveries**

The renowned biologist and thinker Richard Dawkins presents his most expansive work yet: a comprehensive look at evolution, ranging from the latest developments in the field to his own provocative views. Loosely based on the form of Chaucer's *Canterbury Tales*, Dawkins's *Tale* takes us modern humans back through four billion years of life on our planet. As the pilgrimage progresses, we join with other organisms at the forty "rendezvous points" where we find a common ancestor. The band of pilgrims swells into a vast crowd as we join first with other primates, then with other mammals, and so on back to the first primordial organism. Dawkins's brilliant, inventive approach allows us to view the connections between ourselves and all other life in a bracingly novel way. It also lets him shed bright new light on the most compelling aspects of evolutionary history and theory: sexual selection, speciation, convergent evolution, extinction, genetics, plate tectonics, geographical dispersal, and more. *The Ancestor's Tale* is at once a far-reaching survey of the latest, best thinking on biology and a fascinating history of life on Earth. Here Dawkins shows us how remarkable we are, how astonishing our history, and how intimate our relationship with the rest of the living world.

### **Stories of Your Life and Others**

The origin of life is a hotly debated topic. The Christian Bible

states that God created the heavens and the Earth, all in about seven days roughly six thousand years ago. This episode in Genesis departs markedly from scientific theories developed over the last two centuries which hold that life appeared on Earth about 3.5 billion years ago in the form of bacteria, followed by unicellular organisms half a millennia later. It is this version of genesis that Alexandre Meinesz explores in this engaging tale of life's origins and evolution. *How Life Began* elucidates three origins, or geneses, of life—bacteria, nucleated cells, and multicellular organisms—and shows how evolution has sculpted life to its current biodiversity through four main events—mutation, recombination, natural selection, and geologic cataclysm. As an ecologist who specializes in algae, the first organisms to colonize Earth, Meinesz brings a refreshingly novel voice to the history of biodiversity and emphasizes here the role of unions in organizing life. For example, the ingestion of some bacteria by other bacteria led to mitochondria that characterize animal and plant cells, and the chloroplasts of plant cells. As Meinesz charmingly recounts, life's grandeur is a result of an evolutionary tendency toward sociality and solidarity. He suggests that it is our cohesion and collaboration that allows us to solve the environmental problems arising in the decades and centuries to come. Rooted in the science of evolution but enlivened with many illustrations from other disciplines and the arts, *How Life Began* intertwines the rise of bacteria and multicellular life with Vermeer's portrait of Antoni van Leeuwenhoek, the story of Genesis and Noah, Meinesz's son's early experiences with Legos, and his own encounters with other scientists. All of this brings a very human and humanistic tone to Meinesz's charismatic narrative of the three origins of life.

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