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In their highly selective and literal reading of Scripture, creationists champion a rigidly reductionistic

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view of creation in their fight
against "soulless scientism."

Conversely, many scientists find
faith in God to be a dangerous
impediment in the empirical quest
for knowledge. As a result of this
ongoing debate, many people of
faith feel forced to choose between

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evolution and the Bible's story of creation. But, as William Brown asks, which biblical creation story are we talking about? Brown shows that, through a close reading of biblical texts, no fewer than seven different biblical perspectives on creation can be identified. By

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examining these perspectives, Brown illuminates both connections and conflicts between the ancient creation traditions and the natural sciences, arguing for a new way of reading the Bible in light of current scientific knowledge and with consideration of the needs of the

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environment. In Brown's argument, both scientific inquiry and theological reflection are driven by a sense of wonder, which, in his words, "unites the scientist and the psalmist." Brown's own wonder at the beauty and complexity of the created world is evident throughout

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this intelligent, well-written, and inspirational book.

Offers an explanation for the origin of the universe with new theories from cosmology, including time with no beginning, parallel universes, and eternal inflation.

We all make mistakes. Nobody is

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perfect. And that includes five of the greatest scientists in history -- Charles Darwin, William Thomson (Lord Kelvin), Linus Pauling, Fred Hoyle, Albert Einstein. But the mistakes that these great scientists made helped science to advance. Indeed, as Mario Livio explains in

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this fascinating book, science thrives on error; it advances when erroneous ideas are disproven. All five scientists were great geniuses and fascinating human beings. Their blunders were part of their genius and part of the scientific process. Livio brilliantly analyses

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their errors to show where they were wrong and right, but what makes his book so enjoyable to read is Livio's analysis of the psychology of these towering figures. Along the way the reader learns an enormous amount about the evolution of life on earth and in

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the universe, but from an unusual vantage point -- the mistakes of great scientists rather than the achievements that made them famous.

This is the story of light and the people who were determined to unlock the secrets of one of the

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greatest puzzles of the Universe. Acclaimed science writer Brian Clegg recounts how civilisations from the Ancient Egyptians to the Mayans understood light spiritually, and looks at the first scientific grapplings with light by the ancient Chinese sage Mo Ti, the Greek

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philosopher Empedocles, Arab genius Alhazen and others. Clegg also explores the contribution of artists such as Brunellschi, Leonardo de Vinci and Durer to our understanding of light and examines the great revolutionaries of light theory including Galileo,

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Descartes, Isaac Newton, Michael Faraday and Albert Einstein. In this new edition of one of his best-loved books, Clegg finally discusses the work of scientists such as Maxwell, Edison and Gould that led to light-driven inventions from the camera to the laser, CDs and optical

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computers and explains the mind-bending advances of quantum physics.

Maps of Time

Dice World

The Bible, Science, and the Ecology of Wonder

The Universe Before the Big Bang

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Light Years

Exploring Prehistoric/Colonial
Transitions in Archaeology

Worlds Without End

An astrophysicist, an organic
chemist, and an anthropologist
discuss some of mankind's most

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basic questions about the creation of the universe, the first particles, and the evolution that led to contemporary life forms.

“Multiverse” cosmologies imagine our universe as just one of a vast number of others. While this idea

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has captivated philosophy, religion, and literature for millennia, it is now being considered as a scientific hypothesis—with different models emerging from cosmology, quantum mechanics, and string theory. Beginning with ancient

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Atomist and Stoic philosophies, Mary-Jane Rubenstein links contemporary models of the multiverse to their forerunners and explores their current emergence. One reason is the so-called fine-tuning of the universe: nature's

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constants are so delicately calibrated, it seems they have been set just right to allow life to emerge. For some theologians, these “fine-tunings” are proof of God; for others, “God” is an insufficient explanation. One compelling

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solution: if all possible worlds exist somewhere, then it is no surprise one of them happens to be suitable for life. Yet this hypothesis replaces God with an equally baffling article of faith: the existence of universes beyond, before, or after our own,

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eternally generated yet forever inaccessible. In sidestepping metaphysics, multiverse scenarios collide with it, producing their own counter-theological narratives. Rubenstein argues, however, that this interdisciplinary collision

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provides the condition of its scientific viability, reconfiguring the boundaries among physics, philosophy, and religion.

“Remarkably upbeat, and imbued with wit, wisdom and a palpable sense of awe over our

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universe.”—Tucson Weekly Most of us are aware of our own mortality, but few among us know what science, with insights yielded from groundbreaking new research, has to say about endings on a larger scale. Enter astronomer Chris

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Impey, who chronicles the death of the whole shebang: individual, species, bio- sphere, Earth, Sun, Milky Way, and, finally, the entire universe. With a healthy dose of humor, *How It Ends* illuminates everything from the technologies of

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human life extension and the evolutionary arms race between microbes and men to the inescapable dimming of the Sun and the ultimate “big rip,” giving us a rare glimpse into a universe without us.

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A revolutionary new account of our universe's creation—and a breathtaking exploration of the landscape from which we sprang—from one of the world's most celebrated cosmologists What came before the Big Bang, and

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what exists outside of the universe it created? Until recently, scientists could only guess at what lay past the edge of space-time. However, as pioneering theoretical physicist Laura Mersini-Houghton explains, new scientific tools are now giving

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us the ability to peer beyond the limits of our universe and to test our theories about what is there. And what we are finding is upending everything we thought we knew about the cosmos and our place in it. Mersini-Houghton is no stranger

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to boundaries—or to pushing through them. As a child growing up in Communist Albania, she discovered a universe beyond her walled-off world through the study of math and science, and through music. As a female cosmologist in a

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male-dominated field, she transcended the limits that society and her profession tried to place on her. And as a trailblazing researcher, she helped to revolutionize the study of our universe by revealing that, far from

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living in a cosmic Albania, with a world that ends at its borders, we are part of a larger family of universes—a multiverse—that holds wonders we are only beginning to unlock. Mersini-Houghton's groundbreaking research suggests

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that we sit in a quantum landscape whose peaks and valleys hide a multitude of other universes, and even hold the secret to the origins of existence itself. Recent evidence has revealed the signatures of such sibling universes in our own night

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sky, confirming Mersini-Houghton's theoretical work and offering humbling evidence that our universe is just one member of an unending cosmic family. The incredible scientific saga of one woman's mind-expanding journey

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through the multiverse, Before the Big Bang will reshape our understanding of humanity's place in the unfathomable vastness of the cosmos.

Cosmos, Earth, and Mankind
Origins

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From Darwin to Einstein - Colossal
Mistakes by Great Scientists That
Changed Our Understanding of Life
and the Universe

Decolonizing Indigenous Histories

The Many Lives of the Multiverse

The Invisible Universe

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The Origin of the Universe and
What Lies Beyond

Quantum Theory: A Crash
Course teaches you
everything you need to
know about this complex
subject, breaking it down

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into 52 digestible topics.
The book is divided into
four chapters, covering
various aspects of the
theory: Its foundations
and principles Its
probabalistic nature and

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concepts The wide range of
scientific interpretations
Its practical applications
in our lives Each chapter
contains an overview,
timeline and four
biographies, followed by

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thirteen illustrated
topics, each broken down
into microscopic chunks.
'The Main Concept'
explains the main concept
of the subject, while
'Drill-Down' provides

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further detail or a
different angle to enhance
understanding. Finally,
'Matter' provides a
fascinating or unusual
fact. This is the perfect
crash course for budding

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quantum theorists.

Traces how the author, a physics professor, used the new science of loop quantum gravity to create a simple model of the universe that launched

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loop quantum cosmology,
proposing the theory that
the universe undergoes an
infinite series of
expansions and
contractions through time.
This book examines the

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reasons behind the resonant amplification of seismic and ocean waves that have the capacity to destroy cities and ocean-going vessels. Using Charles Darwin's important

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geophysical research as a starting point, it provides insights into the interaction between earthquakes with volcanoes, seaquake, and tsunami formation. In

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particular, the author details the observations that Darwin made on a powerful earthquake that occurred in Chile in 1835, noting how the famous naturalist and geologist

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used the concept of
earthquake-induced
vertical shock to explain
the event's devastating
impact. The book then goes
on to show how Darwin's
concept relates to the

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catastrophic results of the shallow quakes that recently destroyed Port-au-Prince (Haiti, 2010) and severely damaged Christchurch (New Zealand, 2011). In addition, the

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author asks whether Darwin's ideas are endorsed by the discoveries of modern science and whether the results of destructive earthquakes can be modeled

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using strongly nonlinear wave equations. Coverage also proposes that similar equations can be used to simulate the dynamics of many objects on the surface of the Earth, and

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to model the origin of the Universe, dark matter, and dark energy as strongly nonlinear wave phenomena. The book will appeal to students as well as researchers and engineers

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in geophysics, seismology,
nonlinear wave studies,
cosmology, physical
oceanography, and ocean
and coastal engineering.
It will also be of use to
those who are interested

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in the phenomena of
natural catastrophes as
well as those who want to
learn more about the life
and work of Charles
Darwin.

There are many questions

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that intelligent people have about the Bible, science and evolution theory. Finding intelligent answers is difficult. The problem is that specialization is

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required in the sciences,
in philosophy and
theology, so people tend
to pick one and disregard
the others. There aren't
so many people that
consider all three fields

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with much depth of understanding. I made a try at that and wrote a book that is free to download. It is not only difficult to understand all three fields, it is

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difficult to select what
should be written about,
and difficult to write
well. I didn't by any
means cover everything;
there is lots to cover.
An Introduction to Big

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History, With a New

Preface

A Brief History of

Infinity

Why What Goes Up Must Come

Down

Ex Auditu - Volume 32

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Timelines of Nearly
Everything

The Extreme Science of the
Human Body from Quantum
Theory to the Mysteries of
the Brain

Quantum Theory: a Crash

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**Presents a new perspective
for looking at history from
the origins of the universe
to present day.**

**Many of the scientific
breakthroughs of the
twentieth century were first**

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reported in the journal
Nature. A Century of Nature
brings together in one
volume Nature's greatest
hits—reproductions of
seminal contributions that
changed science and the
world, accompanied by essays

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**written by leading
scientists (including four
Nobel laureates) that
provide historical context
for each article, explain
its insights in graceful,
accessible prose, and
celebrate the serendipity of**

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**discovery and the rewards of
searching for needles in
haystacks.**

**Of the four forces that
control the universe gravity
may be the most obvious, but it
is also the most mysterious.
Newton managed to predict**

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the force of gravity, but couldn't explain how it worked at a distance. Then Einstein recognised that gravity and acceleration are interchangeable to devise his mind-bending general relativity, showing how

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**matter warps space and time.
Imagine walking in the
formidable footsteps of
dinosaurs. The closest
you'll come is between the
pages of this landmark
visual encyclopedia that
brings prehistoric creatures**

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to life in jaw-dropping detail. This wonderfully realistic and completely comprehensive guide covers the Triassic, Jurassic, and Cretaceous Periods. Travel back millions of years to meet legendary dinosaurs in

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**spectacular 3D, including
terrifying Tyrannosaurus
Rex, spiky Stegosaurus, and
vicious Velociraptor. Full
of facts and the latest
updated information,
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**dinosaurs evolved, lived,
and died. A reference
section at the end explains
our incredible knowledge of
dinosaur evolution,
behavior, and habitats
thanks to fossils, research,
and computer modeling**

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Gravity

Cracking Quantum Physics

**Science and Life in a Random
Universe**

About Time

Brilliant Blunders

**Terms such as "expanding Universe",
"big bang", and "initial singularity",**

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are nowadays part of our common language. The idea that the Universe we observe today originated from an enormous explosion (big bang) is now well known and widely accepted, at all levels, in modern popular culture. But what happens to the Universe before the big bang? And would it make any sense

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at all to ask such a question? In fact, recent progress in theoretical physics, and in particular in String Theory, suggests answers to the above questions, providing us with mathematical tools able in principle to reconstruct the history of the Universe even for times before the big bang. In the emerging

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cosmological scenario the Universe, at the epoch of the big bang, instead of being a "new born baby" was actually a rather "aged" creature in the middle of its possibly infinitely enduring evolution. The aim of this book is to convey this picture in non-technical language accessible also to non-

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specialists. The author, himself a leading cosmologist, draws attention to ongoing and future observations that might reveal relics of an era before the big bang.

Decolonizing Indigenous Histories makes a vital contribution to the decolonization of archaeology by

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recasting colonialism within long-term indigenous histories. Showcasing case studies from Africa, Australia, Mesoamerica, and North and South America, this edited volume highlights the work of archaeologists who study indigenous peoples and histories at multiple scales. The contributors

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explore how the inclusion of indigenous histories, and collaboration with contemporary communities and scholars across the subfields of anthropology, can reframe archaeologies of colonialism. The cross-cultural case studies employ a broad range of methodological

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strategies—archaeology, ethnohistory, archival research, oral histories, and descendant perspectives—to better appreciate processes of colonialism. The authors argue that these more complicated histories of colonialism contribute not only to understandings of past contexts but also to

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contemporary social justice projects. In each chapter, authors move beyond an academic artifice of “prehistoric” and “colonial” and instead focus on longer sequences of indigenous histories to better understand colonial contexts. Throughout, each author explores and clarifies the complexities of indigenous

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daily practices that shape, and are shaped by, long-term indigenous and local histories by employing an array of theoretical tools, including theories of practice, agency, materiality, and temporality. Included are larger integrative chapters by Kent Lightfoot and Patricia Rubertone, foremost North

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American colonialism scholars who argue that an expanded global perspective is essential to understanding processes of indigenous-colonial interactions and transitions. 'Space is big. Really big. You just won't believe how vastly, hugely, mind-bogglingly big it is. I mean, you may

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think it's a long way down the street to the chemist, but that's just peanuts to space.' Douglas Adams, Hitch-hiker's Guide to the Galaxy We human beings have trouble with infinity - yet infinity is a surprisingly human subject.

Philosophers and mathematicians have gone mad contemplating its nature and

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complexity - yet it is a concept routinely used by schoolchildren. Exploring the infinite is a journey into paradox. Here is a quantity that turns arithmetic on its head, making it feasible that $1 = 0$. Here is a concept that enables us to cram as many extra guests as we like into an already full hotel. Most bizarrely of all,

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it is quite easy to show that there must be something bigger than infinity - when it surely should be the biggest thing that could possibly be. Brian Clegg takes us on a fascinating tour of that borderland between the extremely large and the ultimate that takes us from Archimedes, counting the grains

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of sand that would fill the universe, to the latest theories on the physical reality of the infinite. Full of unexpected delights, whether St Augustine contemplating the nature of creation, Newton and Leibniz battling over ownership of calculus, or Cantor struggling to publicise his vision of the

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transfinite, infinity's fascination is in the way it brings together the everyday and the extraordinary, prosaic daily life and the esoteric. Whether your interest in infinity is mathematical, philosophical, spiritual or just plain curious, this accessible book offers a stimulating and entertaining read.

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Bringing Home the Bacons: Reflections
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Provan Response to Provan John
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and Romans 5-7: The "Slavery to Sin"
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Page 86/185

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Johnson Forming Identities in Grace:
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**Me With Science!" and Deciding
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Johnny Wei-Bing Lin Response to Lin
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Response to Madueme Matthew Maas
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Religion Presenters and Respondents
The Definitive Guide to 200 Years of
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The Story of Life from the Big Bang to
the Evolution of Humans
The Universe Inside You
The Extraordinary Story of Mankind's

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Fascination with Light

Over 60 Prehistoric Creatures as

You've Never Seen Them Before

**Why Complex Life is Uncommon in the
Universe**

***What determines whether
complex life will arise on
a planet, or even any life***

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at all? Questions such as these are investigated in this groundbreaking book. In doing so, the authors synthesize information from astronomy, biology, and paleontology, and

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*apply it to what we know
about the rise of life on
Earth and to what could
possibly happen elsewhere
in the universe. Everyone
who has been thrilled by
the recent discoveries of*

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*extrasolar planets and the
indications of life on
Mars and the Jovian moon
Europa will be fascinated
by Rare Earth, and its
implications for those who
look to the heavens for*

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companionship.

***The stone age, the iron
age, the steam and
electrical ages all saw
the reach of humankind
transformed by new
technology. Now we are***

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*living in the quantum age,
a revolution in everyday
life led by our
understanding of the very,
very small. Quantum
physics lies at the heart
of every electronic device*

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*from smartphones to
lasers; quantum
superconductors allow
levitating trains and MRI
scanners, while superfast,
ultra-secure quantum
computers may soon be a*

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reality. Yet quantum particles such as atoms, electrons and photons remain mysterious, acting totally unlike the objects we experience directly. With his trademark clarity

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*and enthusiasm, acclaimed
popular science author
Brian Clegg reveals the
amazing world of the
quantum that lies all
around us.*

Award-winning children's

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***book creators Martin
Jenkins and Grahame Baker-
Smith team up for a large-
scale look at our planet,
from the big bang to the
dinosaurs and beyond.
Before humans took their***

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*first steps, there were
billions of years of
vibrant and varied life-
forms on Earth. Discover
the story of our planet
during this time, from the
formation of the universe*

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*to the first mammals and
all the incredible life
that flourished in
between. Covering ice ages
and fossils, the first
life in the sea and on
land, the time of the*

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*dinosaurs, and the rise of
mammals, Martin Jenkins
navigates through
millennia of prehistory in
a style both enthralling
and accessible. With
superb illustrations from*

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***Kate Greenaway Medal
winner Grahame Baker-
Smith, this is a
captivating journey
through the life of our
planet before we called it
ours.***

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***An easy-to-understand
guide to the complex
subject of quantum
physics. Quantum physics
is how scientists describe
the world of the very
small. For other people,***

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however, the rules of quantum physics seem to violate all logic: How can a particle be in more than one place at the same time? How can it tunnel through an impenetrable

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barrier? How can a cat in a box be both alive and dead? This book explains the complexities of quantum physics in bite-sized "lessons" that make it clear and accessible to

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*all readers. The sections
and chapters are: 1. Atoms
-- quantum; quantum
physics in everyday life;
the periodic table; atoms
and nuclei; isotopes;
hydrogen atom (energy*

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*levels and spectra) 2.
Photons -- photoelectric
effect; thermal emission
and the Planck
distribution; wave
particle duality (Young's
slit experiment) 3.*

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***Quantum devices --
superconductors;
transistor, diode; light-
emitting diode; laser 4.
Spin -- spin; fermions;
exclusion principle; Fermi
Dirac distribution; Bose-***

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Einstein statistics 5.

Wave Mechanics --

***Heisenberg uncertainty
principle; wave functions;
standing waves; wave
particle duality 6.***

Subatomic Particles --

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***radioactivity; atomic
particles; protons;
neutrons; electrons 7.
Particle Physics --
elementary particles;
quarks; leptons; electron
and electron neutrino;***

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*muon and muon neutrino;
tauon and tau neutrino;
bosons; photon; W and Z
boson; gluon; Higgs boson;
composite particles;
hadrons; matter-anti-
matter* 8. Quantum Physics

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*in Medicine and industry
-- magnetic resonance
imaging; superfluidity;
cancer treatment by
radiation 9. Into the
Future -- quantum physics
of space; quantum gravity;*

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***graviton; Hawking
radiation (grand unified
theory); dark matter;
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*developed the theories and
made important discoveries
in quantum physics,
including Dmitri
Rutherford, Albert
Einstein, Heike Kamerlingh
Onnes, William Shockley,*

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***Isama Akasaki, Stephen
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how your eyes are quantum traps,
consuming photons of light from the
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