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# What S The Earth Made Of

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Earth as an Evolving Planetary System  
Laboratory Manual for Introductory Geology  
Earth! My First 4.54 Billion Years  
A Framework for K-12 Science Education  
The Late Great Planet Earth  
How to Make a Planet  
Planet Earth/Inside Out  
Revolutions that Made the Earth  
Earth Science Made Simple  
This Is the Earth That God Made  
Origins  
Geography For Dummies  
Science and Creationism  
Home on the Earth  
You Are the Earth  
I Am Earth  
The Early Earth

What's So Special about Planet Earth?

A Brief History of Earth

Earth

Origins of the Earth, Moon, and Life

Physical Geology

Uncovering Earth's Crust

Layers of the Earth

The Age of the Earth

Constitution of the Earth's Interior

Earth's Layers

Origin of the Earth and Moon

Earth's Oldest Rocks

The Origin of Continents and Oceans

Life's Engines

What's the Earth Made Of?

What Is Earth Made up Of? Getting to Know the Only Living Planet in the Solar

System | Educational Book for Kindergarten | Children's Books on Science, Nature &

How It Works

Rare Earth

Earth Made of Glass

The Story of Earth  
How Tectonic Plates Shaped Earth  
Looking Inside Earth  
The Sun, the Earth, and Near-earth Space  
Origin and Evolution of Earth

*What S The Earth Made  
Of*

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### **Earth as an Evolving Planetary System** Basic Books

Explores how scientists study the inner workings of the earth using such tools as global positioning, seismology, and computer modeling.

**Laboratory Manual for Introductory Geology** Henry Holt and Company (BYR)  
Hailed by The New York Times for writing “with wonderful clarity about science . . .

that effortlessly teaches as it zips along,” nationally bestselling author Robert M. Hazen offers a radical new approach to Earth history in this intertwined tale of the planet’s living and nonliving spheres. With an astrobiologist’s imagination, a historian’s perspective, and a naturalist’s eye, Hazen calls upon twenty-first-century discoveries that have revolutionized geology and enabled scientists to envision Earth’s many iterations in vivid detail—from the mile-high lava tides of its infancy to the early organisms

responsible for more than two-thirds of the mineral varieties beneath our feet. Lucid, controversial, and on the cutting edge of its field, *The Story of Earth* is popular science of the highest order. "A sweeping rip-roaring yarn of immense scope, from the birth of the elements in the stars to meditations on the future habitability of our world." -Science "A fascinating story." -Bill McKibben  
*Earth! My First 4.54 Billion Years*  
 National Academies Press

In this book, early fluent readers will learn about the features of tectonic plates, how they have shaped Earth's surface in the past, and how they could change Earth in the future. Vibrant, full-color photos and carefully leveled text will engage young readers as they learn more about tectonic plates and their

impact on our planet. A Take a Look! infographic, sidebars, and STEM activity aid understanding and allow readers to explore further. Children can learn more about tectonic plates using our safe search engine that provides relevant, age-appropriate websites. *How Tectonic Plates Shaped Earth* also features reading tips for teachers and parents, a table of contents, a glossary, and an index. *How Tectonic Plates Shaped Earth* is part of Jump!'s Earth Shapers series.  
*A Framework for K-12 Science Education*  
 Macmillan

Explore Earth's layers from the crust down to the inner core. Learn about tectonic plates, convection currents, Earth's magnetic field, and more. Additional features include a diagram labeling each of the layers, Fast Facts, a

phonetic glossary, an index, an introduction to the author, and further sources for learning.

The Late Great Planet Earth Kids Can Press Ltd

Move to another planet? Sounds interesting! In our imaginary spaceship, let's check out the planets in our solar system. Mercury is closest, but it has no air, and it's either sizzling hot or bitterly cold. The atmosphere on Venus is poisonous; plus, human beings would cook there. Mars might work, but you'd always have to be in a protective shelter. And if you got to the outer planets, you couldn't even land as they are mostly made of gas! Our home planet is looking good. Why is Earth so comfortable for plants, animals, and people? As Robert E. Wells explains, it's

because of our just-right position from the sun, marvelous atmosphere, and abundant water. Our planet is very special and perfect for us, and that's why we must do all we can to keep Earth healthy.

How to Make a Planet John Wiley & Sons

The marvelous microbes that made life on Earth possible and support our very existence For almost four billion years, microbes had the primordial oceans all to themselves. The stewards of Earth, these organisms transformed the chemistry of our planet to make it habitable for plants, animals, and us. Life's Engines takes readers deep into the microscopic world to explore how these marvelous creatures made life on Earth possible—and how human life today would cease to exist without them.

Paul Falkowski looks "under the hood" of microbes to find the engines of life, the actual working parts that do the biochemical heavy lifting for every living organism on Earth. With insight and humor, he explains how these miniature engines are built—and how they have been appropriated by and assembled like Lego sets within every creature that walks, swims, or flies. Falkowski shows how evolution works to maintain this core machinery of life, and how we and other animals are veritable conglomerations of microbes. A vibrantly entertaining book about the microbes that support our very existence, *Life's Engines* will inspire wonder about these elegantly complex nanomachines that have driven life since its origin. It also issues a timely warning about the

dangers of tinkering with that machinery to make it more "efficient" at meeting the ever-growing demands of humans in the coming century.

*Planet Earth/Inside Out* Courier Corporation

*Earth's Oldest Rocks* provides a comprehensive overview of all aspects of early Earth, from planetary accretion through to development of protocratons with depleted lithospheric keels by c. 3.2 Ga, in a series of papers written by over 50 of the world's leading experts. The book is divided into two chapters on early Earth history, ten chapters on the geology of specific cratons, and two chapters on early Earth analogues and the tectonic framework of early Earth. Individual contributions address topics that range from planetary accretion, a

review of Earth meteorites, significance and composition of Hadean protocrust, composition of Archaean mantle and deep crust, all aspects of the geology of Paleoproterozoic cratons, composition of Archean oceans and hydrothermal environments, evidence and geological settings of early life, early Earth analogues from Venus and New Zealand, and a tectonic framework for early Earth.\* Contains comprehensive reviews of areas of ancient lithosphere on Earth, of planetary accretion processes, and of meteorites\* Focuses on specific aspects of early Earth, including oldest putative life forms, evidence of the composition of the ancient atmosphere-hydrosphere, and the oldest evidence for subduction-accretion\* Presents an overview of geological processes and model of the

tectonic framework on early Earth  
*Revolutions that Made the Earth Speedy*  
Publishing LLC

Harvard's acclaimed geologist "charts Earth's history in accessible style" (AP) "A sublime chronicle of our planet."  
-Booklist, STARRED review How well do you know the ground beneath your feet? Odds are, where you're standing was once cooking under a roiling sea of lava, crushed by a towering sheet of ice, rocked by a nearby meteor strike, or perhaps choked by poison gases, drowned beneath ocean, perched atop a mountain range, or roamed by fearsome monsters. Probably most or even all of the above. The story of our home planet and the organisms spread across its surface is far more spectacular than any Hollywood blockbuster, filled with

enough plot twists to rival a bestselling thriller. But only recently have we begun to piece together the whole mystery into a coherent narrative. Drawing on his decades of field research and up-to-the-minute understanding of the latest science, renowned geologist Andrew H. Knoll delivers a rigorous yet accessible biography of Earth, charting our home planet's epic 4.6 billion-year story. Placing twenty first-century climate change in deep context, *A Brief History of Earth* is an indispensable look at where we've been and where we're going. Features original illustrations depicting Earth history and nearly 50 figures (maps, tables, photographs, graphs).

[Earth Science Made Simple](#) Stanford University Press

Learn about the basic materials that make up the planet Earth, to the tune of "Home on the Range."

**This Is the Earth That God Made**  
Capstone

A collection of essays and articles provides a study of how the planet works, discussing Earth's structure, geographical features, geologic history, and evolution.

[Origins Crown](#)

The outside layer of our planet is an active place. Earth's crust is always growing and changing. But do you know how Earth's crust forms? And what happens when its plates shift suddenly? Find out more about the moves that make mountains and ocean ridges in this interesting book!

*Geography For Dummies* Infobase



## Publishing

Questions about the origin and nature of Earth and the life on it have long preoccupied human thought and the scientific endeavor. Deciphering the planet's history and processes could improve the ability to predict catastrophes like earthquakes and volcanic eruptions, to manage Earth's resources, and to anticipate changes in climate and geologic processes. At the request of the U.S. Department of Energy, National Aeronautics and Space Administration, National Science Foundation, and U.S. Geological Survey, the National Research Council assembled a committee to propose and explore grand questions in geological and planetary science. This book captures, in a series of questions, the

essential scientific challenges that constitute the frontier of Earth science at the start of the 21st century.

### Science and Creationism Elsevier

*Earth as an Evolving Planetary System*, Second Edition, explores key topics and questions relating to the evolution of the Earth's crust and mantle over the last four billion years. This updated edition features exciting new information on Earth and planetary evolution and examines how all subsystems in our planet—crust, mantle, core, atmosphere, oceans and life—have worked together and changed over time. It synthesizes data from the fields of oceanography, geophysics, planetology, and geochemistry to address Earth's evolution. This volume consists of 10 chapters, including two new ones that

deal with the Supercontinent Cycle and on Great Events in Earth history. There are also new and updated sections on Earth's thermal history, planetary volcanism, planetary crusts, the onset of plate tectonics, changing composition of the oceans and atmosphere, and paleoclimatic regimes. In addition, the book now includes new tomographic data tracking plume tails into the deep mantle. This book is intended for advanced undergraduate and graduate students in Earth, Atmospheric, and Planetary Sciences, with a basic knowledge of geology, biology, chemistry, and physics. It also may serve as a reference tool for structural geologists and professionals in related disciplines who want to look at the Earth in a broader perspective. - Kent Condie's

corresponding interactive CD, Plate Tectonics and How the Earth Works, can be purchased from Tasa Graphic Arts here:

<http://www.tasagraphicarts.com/progptearth.html> - Two new chapters on the Supercontinent Cycle and on Great Events in Earth history - New and updated sections on Earth's thermal history, planetary volcanism, planetary crusts, the onset of plate tectonics, changing composition of the oceans and atmosphere, and paleoclimatic regimes - Also new in this Second Edition: the lower mantle and the role of the post-perovskite transition, the role of water in the mantle, new tomographic data tracking plume tails into the deep mantle, Euxinia in Proterozoic oceans, The Hadean, A crustal age gap at 2.4-2.2

Ga, and continental growth  
Home on the Earth Zondervan  
" ... Concise explanations and descriptions - easily read and readily understood - of what we know of the chain of events and processes that connect the Sun to the Earth, with special emphasis on space weather and Sun-Climate."--Dear Reader.

**You Are the Earth** Augsburg Books  
Learn about the composition of Earth with this educational book designed for kindergarteners. Discover the crust, where life thrives, and the roles of rocks, soil, and water in supporting existence. Understand how the Earth's materials, from igneous to sedimentary rocks, form the foundation of our living planet. Ideal for enriching science lessons, this resource is a must-have for school

libraries and educators aiming to instill a sense of wonder about our unique planet in young learners.

### **I Am Earth** Penguin

A New York Times-bestselling author explains how the physical world shaped the history of our species. When we talk about human history, we often focus on great leaders, population forces, and decisive wars. But how has the earth itself determined our destiny? Our planet wobbles, driving changes in climate that forced the transition from nomadism to farming. Mountainous terrain led to the development of democracy in Greece. Atmospheric circulation patterns later on shaped the progression of global exploration, colonization, and trade. Even today, voting behavior in the south-east United States ultimately

follows the underlying pattern of 75 million-year-old sediments from an ancient sea. Everywhere is the deep imprint of the planetary on the human. From the cultivation of the first crops to the founding of modern states, *Origins* reveals the breathtaking impact of the earth beneath our feet on the shape of our human civilizations.

*The Early Earth* Princeton University Press

This lively collection of fascinating facts and fables, colorful cartoons, and dynamic illustrations explains how everything on Earth is connected. Since its original publication, concern for the environment has grown, and although environmental damage has increased, so too have "green" strategies. This new edition reflects these changes, with

expanded discussion of environmental issues and new technologies, as well as many more activities. New sidebars offer extra facts, tips, and real-life examples of things other budding ecologists have done to make the world a better place.

[What's So Special about Planet Earth?](#)

Springer

-- Introduces young children to fundamental aspects of nature, science and technology -- Inspired by the questions children ask about the world around them -- Simple text and detailed illustrations answer questions in clear, step-by-step stages

**A Brief History of Earth** Lerner Publications™

Offering a new spin on astronomy and earth sciences books for kids, this out-of-this-world how-to details the making of a

planet, namely the incredible, life-sustaining, one-in-a-billion planet Earth, starting with its basic ingredients, protons and neutrons, and making abstract concepts easier to understand.  
Earth Harper Collins

What if we could open up our planet and look inside? From its red-hot core to the highest mountain peak, come see Earth as you've never seen it before in a colorful introduction to the powerful forces shaping our home.

Best Sellers - Books :

- [Taylor Swift: A Little Golden Book Biography By Wendy Loggia](#)
- [The Summer Of Broken Rules](#)
- [Twisted Lies \(twisted, 4\) By Ana Huang](#)
- [Never Lie: An Addictive Psychological Thriller](#)
- [Young Forever: The Secrets To Living Your Longest, Healthiest Life \(the Dr. Hyman Library, 11\) By Dr. Mark Hyman Md](#)
- [Girl In Pieces](#)
- [Never Never: A Romantic Suspense Novel Of Love And Fate](#)
- [Saved: A War Reporter's Mission To Make It Home By Benjamin Hall](#)
- [Lessons In Chemistry: A Novel](#)
- [Little Blue Truck's Springtime: An Easter And Springtime Book For Kids By Alice Schertle](#)