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Innovative and up-to-date—the number one Introduction to Geology textbook.

Earth: Portrait of a Planet W.W. Norton & Company
The Fifth Edition of this bestselling textbook features stunning art, the most up-to-date science, and a wealth of online learning tools, all developed under the critical eyes of Stephen Marshak. Heavily revised with remarkably detailed photographs, animations, and maps, the text offers rich and engaging pedagogy, an expanded chapter on energy, and coverage of recent global events, from Hurricane Sandy and the Washington Landslide to Typhoon Haiyan and the Japanese Tsunami.

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revised with remarkably detailed photographs, animations, and maps, the text offers rich and engaging pedagogy, an expanded chapter on energy, and coverage of recent global events, from Hurricane Sandy and the Washington Landslide to Typhoon Haiyan and the Japanese Tsunami.

Earth: Portrait of a Planet Art Notebook *W. W. Norton*

The Student Lecture Art Notebook to accompany Earth: Portrait of a Planet is the perfect complement to the outstanding art program. This powerful learning tool contains all of the major diagrams from the text in full 4-color, with the ample room for taking notes.

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CD-ROM contains: Animations -- Self-tests -- Crossword puzzles -- Feature articles.

Life of Earth *Prometheus Books*

In this portrait of Planet Earth-at just about the mid point of its probable lifespan-biologist Stanley A. Rice discusses the evolution of the network of life and the crucial role played by humans in determining the future of our world.Unlike most books on earth history, which present the story of life on our planet in terms of one chronological period after another, Rice discusses Earth's teeming diversity in terms of pivotal evolutionary developments. Among these he stresses the importance of symbiosis, sex, and altruism as key determinants of the Earth's biodiversity.Symbiosis-when single cells began working together-sparked the sudden appearance of complex animals. Much later symbiotic relationships led to flowering plants that depended on animals for pollination and seed dispersal.With the advent of sexual selection, there developed an astonishing world of complex behavior and a dizzying array of life forms. In humans, sexual selection exerted a great influence on the development of our large brains.Altruism-when species learned to work together-resulted in even greater variety and complexity. In early humans, altruism gave rise to ever-widening social circles and the spread of culture.Rice also discusses the role of photosynthesis in establishing and maintaining life on earth; the evidence for ancient natural catastrophes, which caused widespread extinctions; and the importance of religion and the recent use of scientific reasoning in the development and the future of the human species.Rice's eloquent, panoramic perspective is well designed to foster an appreciation for the scope of life on Earth and to encourage wise stewardship of the natural world on which our survival depends.Stanley A. Rice, PhD (Durant, OK) is the author of Green Planet: How Plants Keep the Earth Alive, The Encyclopedia of Evolution, The Encyclopedia of Science and Technology, and (forthcoming) The Encyclopedia of Biodiversity. He is a professor in the Department of Biological Sciences at Southeastern Oklahoma State University.

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Geotours Workbook *John Wiley & Sons*

This new stand-alone edition of Geotours Workbook contains nineteen active-learning tours that take students on virtual field trips to see outstanding examples of geology around the world.

Earth

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Livre du pain et du vin, de leau, de lhuile et du baume

Earth *W. W. Norton*

Earth: Portrait of a Planet revolutionized the study of geology byintegrating traditional geological concepts with the most recenttheoretical advances in geology, including theories of plate tectonicsand earth systems science. Adopted at over 300 schools worldwide, thisinnovative text has quickly become the best-selling introductory textin the field.Retaining the core strengths of the First and Second Editions, theThird Edition has been meticulously revised, adding engaging newmaterial and learning tools. Additionally, the Third Edition featuresthe most effective and current multimedia tools available forinstructors and students.

Earth

Earth Portrait of a Planet 3e - Instructors Manual/Test Bank

Half-Earth: Our Planet's Fight for Life *W. W. Norton & Company*

"An audacious and concrete proposal...Half-Earth completes the 86-year-old Wilson's valedictory trilogy on the human animal and our place on the planet." —Jedediah Purdy, New Republic In his most urgent book to date, Pulitzer Prize-winning author and world-renowned biologist Edward O. Wilson states that in order to stave off the mass extinction of species, including our own, we must move swiftly to preserve the biodiversity of our planet. In this "visionary blueprint for saving the planet" (Stephen Greenblatt), Half-Earth argues that the situation facing us is too large to be solved

piecemeal and proposes a solution commensurate with the magnitude of the problem: dedicate fully half the surface of the Earth to nature. Identifying actual regions of the planet that can still be reclaimed—such as the California redwood forest, the Amazon River basin, and grasslands of the Serengeti, among others—Wilson puts aside the prevailing pessimism of our times and "speaks with a humane eloquence which calls to us all" (Oliver Sacks).

Our Earth *Second Story Press*

Ten profiles of amazing young environmental activists. Each child is captured in a portrait, their achievements described, and filled out with photos. Ends with tips for kids to make a difference.

The Living Planet *Collins*

A new, fully updated narrative edition of David Attenborough's seminal biography of our world, The Living Planet.

The Complete Earth *Quercus Books*

Reproducing one of the most advanced satellite surveys of Earth in its entirety, The Complete Earth explores our planet, explaining the how and when of its mountain ranges, deserts, ice-sheets, volcanoes and oceans. From pole to pole. The Complete Earth presents one of the most advanced portraits of our planet ever created Within these pages, data from NASA's most advanced Earth observing satellites has been combined to produce a cloud-free, digital atlas of the entire planet-a mappamundi for the Information Age. At a scale of 53 kilometres to every centimetre (93 miles to an inch), we can trace the Amazon from Andean headwaters to Atlantic mouth, explore the trackless sand seas of the Sahara, and follow the corrugated ridges of hills and mountains that mark the front-line of India's continental collision with Eurasia. We can track the ebb and flow of seasons across the globe, watching snows fall in the North as they melt in the South and desert lands bloom and fade as rains come and go. Combining NASA's digital portrait of the planet with high resolution satellite imagery that zooms in on noteworthy features-from volcanoes to asteroid craters, river deltas to glaciers-The Complete Earth creates an unprecedented view of our planet's face. Social and political boundaries are invisible and irrelevant, what we see instead is the landscape of the whole Earth - the mountains and deserts, seas and oceans that have shaped human history. Yet this configuration of rock and water represents a fleeting geological moment, having existed for no more than 4 million years-a mere 0.01 percent of the planet's lifetime. But look closer and a deeper past emerges. Earth's 4.5 billion year history can be reconstructed from the layered, twisted and folded rocks that adorn its surface. To understand how to read the planet's deep history, The Complete Earth descends far beneath the continents and oceans to reveal the tectonic plates they rest on. It explains how the ceaseless jostling of these plates has sculpted Earth's ever-changing face and tracks their movements over millennia to reconstruct global views of not only the planet's past, but also its future.

Welcome to Planet Earth *Light Technology Publishing*

At this time in the development of the Earth species, the brain/mind does not have a large enough data acquisition and computing capacity to take in the multidimensions of the walk-in process. The characteristics of these dimensions would allow for many types of spirit activity on the Earth plane beyond the simple (actually, simplistic) explanation of a single soul unit changing places with another single soul. Spirit and consciousness are more fluid and variable than your world has considered. We will tell you that spirit guides and guardian angels surround everyone who is participating in these expanded spirit processes. The increasing number of walk-ins at this time is in service to the ascension, or step up in consciousness, of the species. These participants can always call on guides for assistance. We Pleiadians are guides in the project. We are always available and we wish you peace. -- The Pleiadian Light

The 12th Planet *Simon and Schuster*

Over the years, startling evidence has been unearthed, challenging established notions of the origins of Earth and life on it, and suggesting the existence of a superior race of beings who once inhabited our world. The product of thirty years of intensive research, The 12th Planet is the first book in Zecharia Sitchin's prophetic Earth Chronicles series--a revolutionary body of work that offers indisputable documentary proof of humanity's extraterrestrial forefathers. Travelers from the stars, they arrived eons ago, and planted the genetic seed that would ultimately blossom into a remarkable species...called Man. The 12th Planet brings to life the Sumerian civilization, presenting millennia-old evidence of the existence of Nibiru, the home planet of the Anunnaki, and of the landings of the Anunnaki on Earth every 3,600 years, and reveals a complete history of the solar system as told by these early visitors from another planet. Zecharia Sitchin's Earth Chronicles series, with millions of copies sold worldwide, deal with the history and prehistory of Earth and humankind. Each book in the series is based upon information written on clay tablets by the ancient civilizations of the Near East. The series is offered here, for the first time, in highly readable, hardbound collector's editions with enhanced maps and diagrams.

The Little Book of Planet Earth *Springer Science & Business Media*

Acknowledgments chapter 1 The Roots of Earth Sciences 1 Classical Scientific Thought 1 The Copernican Revolution 2 From Physics and Philosophy to Geology 4 The Age of the Earth 6 chapter 2 The Earth in the Context of Our Solar System 9 The Origins of the Solar System The Elements of the Solar System The Planets Circling the Sun chapter 3 The Formation of Earth and Moon 21 Similarities and Differences 21 Exploring the Moon chapter 4 The Interior of the Earth and the Role of Seismology Seismic Waves 28 The Earth’s Interior 36 chapter 5 Rotation and Shape, Gravity and Tides 41 Describing the Earth’s Shape Tides 44 Rotation 44 43 27 23 15 12 10 xiii xi chapter 6 The Earth’s Magnetic Field 47 Establishing a Physical Concept Reversals of the Magnetic Field 51 Paleomagnetism chapter 7 Atom—Mineral—Rock 59 Crystallization 60 Minerals in Crust and Mantle 60 Rocks chapter 8 The Early Ages 71 The Archean 71 The Proterozoic 77 chapter 9 Radioactive Dating The Chemistry of Unstable Elements Determining the Age Applications of Radioactive Dating Techniques Carbon Dating 90 chapter10 Plate Tectonics Twentieth-Century Research Gathering Evidence 95 Drifting Plates 3 Pangea and Beyond 4 chapter11 The Crust of the Earth 7 The Moho 7 The Crust Hydrocarbons 4 Coal 9 Other Subsurface-based Resources 9 12 12 12 108 10 10 10 10 94 93 89 83 81 63 52 48 chapter12 Formation of Mountains and Basins Collisions Orogeny Sediment Basins

Earth, Our Living Planet *Springer Nature*

Earth is, to our knowledge, the only life-bearing body in the Solar System. This extraordinary characteristic dates back almost 4 billion years. How to explain that Earth is teeming with organisms and that this has lasted for so long? What makes Earth different from its sister planets Mars and Venus? The habitability of a planet is its capacity to allow the emergence of organisms. What astronomical and geological conditions concurred to make Earth habitable 4 billion years ago, and how has it remained habitable since? What have been the respective roles of non-biological and

biological characteristics in maintaining the habitability of Earth? This unique book answers the above questions by considering the roles of organisms and ecosystems in the Earth System, which is made of the non-living and living components of the planet. Organisms have progressively occupied all the habitats of the planet, diversifying into countless life forms and developing enormous biomasses over the past 3.6 billion years. In this way, organisms and ecosystems "took over" the Earth System, and thus became major agents in its regulation and global evolution. There was co-evolution of the different components of the Earth System, leading to a number of feedback mechanisms that regulated long-term Earth conditions. For millennia, and especially since the Industrial Revolution nearly 300 years ago, humans have gradually transformed the Earth System. Technological developments combined with the large increase in human population have led, in recent decades, to major changes in the Earth's climate, soils, biodiversity and quality of air and water. After some successes in the 20th century at preventing internationally environmental disasters, human societies are now facing major challenges arising from climate change. Some of these challenges are short-term and others concern the thousand-year evolution of the Earth's climate. Humans should become the stewards of Earth.

The Ultimate Book of Planet Earth *Twirl*

The internationally successful Ultimate Book series expands its scope to embrace—very appropriately—the whole world! The Ultimate Book of Planet Earth offers lots of opportunity for hands-on interaction using flaps, pop-ups, and more! Pull a tab to see how magma erupts from a volcano, turn a page for a pop-up of a mountain range, or rotate a wheel to move the blades of a wind turbine! Planet Earth explores not only the geology of the Earth—oceans, continents, and the formation of mountains and volcanoes—but also its geography, atmosphere, and weather. A valuable reference book for any child!

Earth Portrait of a Planet 4E Ebook Folder+essentials of Geology 4E Geotours Workbook

Geotours Workbook *W. W. Norton*

Worksheets accompany each chapter's Geotour--23 in all--and can be assigned as homework assignments and lab activities.

Earthshot *John Murray*

The Earthshot concept is simple: Urgency + Optimism = Action. We have ten years to turn the tide on the environmental crisis, but we need the world's best solutions and one shared goal - to save our planet. It's not too late, but we need collective action now. The Earthshots are unifying, ambitious goals for our planet which, if achieved by 2030, will improve life for all of us, for the rest of life on Earth, and for generations to come. They are to: · Protect and Restore Nature · Clean our Air · Revive our Oceans · Build a Waste-Free World · Fix our Climate EARTHSHOT: HOW TO SAVE OUR PLANET is the first definitive book about how these goals can tackle the environmental crisis, from rainforests to coral reefs, via wilderness, cities and in our own homes. It is a critical contribution to the most important story of the decade.

Living Planet: The Web of Life on Earth *HarperCollins UK*

The Sunday Times Bestseller A new, fully updated narrative edition of David Attenborough’s seminal biography of our world, The Living Planet.

Hacking Planet Earth *Penguin*

An exploration of the cutting-edge technology that will enable us to confront the realities of climate change. For decades scientists and environmentalists have sounded the alarm about the effects of global warming. We are now past the tipping point. As floods, storms, and extreme temperatures become our daily reality, "Reduce, Reuse, Recycle" efforts aren't enough anymore. In Hacking Planet Earth, New York Times bestselling author Thomas Kostigen takes readers to the frontlines of geoengineering projects that scientists, entrepreneurs, engineers, and other visionaries around the world are developing to solve the problems associated with climate change. From giant parasols hovering above the Earth to shield us from an unforgiving sun, to lasers shooting up into clouds to coax out much-needed water, Kostigen introduces readers to this inspiring work and the people who are spearheading it. These futurist, far- thinking, world-changing ideas will save us, and Hacking Planet Earth offers readers their new vision for the future.

Eaarth *Knopf Canada*

The bestselling author of Deep Economy shows that we’re living on a fundamentally altered planet — and opens our eyes to the kind of change we’ll need in order to make our civilization endure. Twenty years ago, with The End of Nature, Bill McKibben offered one of the earliest warnings about global warming. Those warnings went mostly unheeded; now, he insists, we need to acknowledge that we’ve waited too long, and that massive change is not only unavoidable but already under way. Our old familiar globe is suddenly melting, drying, acidifying, flooding, and burning in ways that no human has ever seen. We’ve created, in very short order, a new planet, still recognizable but

fundamentally different. We may as well call it Eaarth. That new planet is filled with new binds and traps. A changing world costs large sums to defend — think of the money that went to repair New Orleans, or the trillions of dollars it will take to transform our energy systems. But the endless economic growth that could underwrite such largesse depends on the stable planet we’ve managed to damage and degrade. We can’t rely on old habits any longer. Our hope depends, McKibben argues, on scaling back — on building the kind of societies and economies that can hunker down, concentrate on essentials, and create the type of community (in the neighborhood, but also on the Internet) that will allow us to weather trouble on an unprecedented scale. Change — fundamental change — is our best hope on a planet suddenly and violently out of balance.

The Uninhabitable Earth *Crown*

#1 NEW YORK TIMES BESTSELLER • “The Uninhabitable Earth hits you like a comet, with an overflow of insanely lyrical prose about our pending Armageddon.”—Andrew Solomon, author of The Noonday Demon With a new afterword It is worse, much worse, than you think. If your anxiety about global warming is dominated by fears of sea-level rise, you are barely scratching the surface of what terrors are possible—food shortages, refugee emergencies, climate wars and economic devastation. An “epoch-defining book” (The Guardian) and “this generation’s Silent Spring” (The Washington Post), The Uninhabitable Earth is both a travelogue of the near future and a meditation on how that future will look to those living through it—the ways that warming promises to transform global politics, the meaning of technology and nature in the modern world, the sustainability of capitalism and the trajectory of human progress. The Uninhabitable Earth is also an impassioned call to action. For just as the world was brought to the brink of catastrophe within the span of a lifetime, the responsibility to avoid it now belongs to a single generation—today’s. Praise for The Uninhabitable Earth “The Uninhabitable Earth is the most terrifying book I have ever read. Its subject is climate change, and its method is scientific, but its mode is Old Testament. The book is a meticulously documented, white-knuckled tour through the cascading catastrophes that will soon engulf our warming planet.”—Farhad Manjoo, The New York Times “Riveting. . . . Some readers will find Mr. Wallace-Wells’s outline of possible futures alarmist. He is indeed alarmed. You should be, too.”—The Economist “Potent and evocative. . . . Wallace-Wells has resolved to offer something other than the standard narrative of climate change. . . . He avoids the ‘eerily banal language of climatology’ in favor of lush, rolling prose.”—Jennifer Szalai, The New York Times “The book has potential to be this generation’s Silent Spring.”—The Washington Post “The Uninhabitable Earth, which has become a best seller, taps into the underlying emotion of the day: fear. . . . I encourage people to read this book.”—Alan Weisman, The New York Review of Books

Pale Blue Dot *Ballantine Books*

“Fascinating . . . memorable . . . revealing . . . perhaps the best of Carl Sagan’s books.”—The Washington Post Book World (front page review) In Cosmos, the late astronomer Carl Sagan cast his gaze over the magnificent mystery of the Universe and made it accessible to millions of people around the world. Now in this stunning sequel, Carl Sagan completes his revolutionary journey through space and time. Future generations will look back on our epoch as the time when the human race finally broke into a radically new frontier—space. In Pale Blue Dot, Sagan traces the spellbinding history of our launch into the cosmos and assesses the future that looms before us as we move out into our own solar system and on to distant galaxies beyond. The exploration and eventual settlement of other worlds is neither a fantasy nor luxury, insists Sagan, but rather a necessary condition for the survival of the human race. “Takes readers far beyond Cosmos . . . Sagan sees humanity’s future in the stars.”—Chicago Tribune

Apocalyptic Planet *Vintage*

The earth has died many times, and it always comes back looking different. In an exhilarating, surprising exploration of our planet, Craig Childs takes readers on a firsthand journey through apocalypse, touching the truth behind the speculation. Apocalyptic Planet is a combination of science and adventure that reveals the ways in which our world is constantly moving toward its end and how we can change our place within the cycles and episodes that rule it. In this riveting narrative, Childs makes clear that ours is not a stable planet, that it is prone to sudden, violent natural disasters and extremes of climate. Alternate futures, many not so pretty, are constantly waiting in the wings. Childs refutes the idea of an apocalyptic end to the earth and finds clues to its more inevitable end in some of the most physically challenging places on the globe. He travels from the deserts of Chile, the driest in the world, to the genetic wasteland of central Iowa to the site of the drowned land bridge of the Bering Sea, uncovering the micro-cataclysms that predict the macro: forthcoming ice ages, super-volcanoes, and the conclusion of planetary life cycles. Childs delivers a sensual feast in his descriptions of the natural world and a bounty of unequivocal science that provides us with an unprecedented understanding of our future.

Essentials of Geology *W. W. Norton*

A hands-on, visual learning experience for physical geology