

The Great Warming Climate Change And Rise Fall Of Civilizations Brian M An

Award-winning photojournalist Braasch presents this illustrated guide to the effects of climate change on the Earth and its inhabitants. The accompanying text offers an upbeat and intelligent account of how to lessen the effects of our near total dependence on fossil fuel.

The climate of the Earth is always changing. As the debate over the implications of changes in the Earth's climate has grown, the term climate change has come to refer primarily to changes we've seen over recent years and those which are predicted to be coming, mainly as a result of human behavior. This book serves as a broad, accessible guide to the science behind this often political and heated debate by providing scientific detail and evidence in language that is clear to both the non-specialist and the serious student. * provides all the scientific evidence for and possible causes of climate change in one book * written by expert scientists working in the field * logical, non-emotional conclusions * a source book for the latest findings on climate change

Our Changing Menu unpacks the increasingly complex relationships between food and climate change. Whether you're a chef, baker, distiller, restaurateur, or someone who simply enjoys a good pizza or drink, it's time to come to terms with how climate change is affecting our diverse and interwoven food system. Michael P.

Hoffmann, Carrie Koplinka-Loehr, and Danielle L. Eiseman offer an eye-opening journey through a complete menu of before-dinner drinks and salads; main courses and sides; and coffee and dessert. Along the way they examine the escalating changes occurring to the flavors of spices and teas, the yields of wheat, the vitamins in rice, and the price of vanilla. Their story is rounded out with a primer on the global food system, the causes and impacts of climate change, and what we can all do. Our Changing Menu is a celebration of food and a call to action—encouraging readers to join with others from the common ground of food to help tackle the greatest challenge of our time.

A quantitative, broad, hands-on introduction to the cutting-edge science of global warming This textbook introduces undergraduates to the concepts and methods of global warming science, covering topics that they encounter in the news, ranging from the greenhouse effect and warming to ocean acidification, hurricanes, extreme precipitation, droughts, heat waves, forest fires, the cryosphere, and more. This book explains each of the issues based on basic statistical analysis, simple ordinary differential equations, or elementary chemical reactions. Each chapter explains the mechanisms behind an observed or anticipated change in the climate system and demonstrates the tools used to understand and predict them. Proven in the classroom, Global Warming Science also includes "workshops" with every chapter, each based on a Jupyter Python notebook and an accompanying small data set, with supplementary online materials and slides for instructors. The workshop can be used as an interactive learning element in class and as a homework assignment. Provides a clear, broad, quantitative yet accessible approach to the science of global warming Engages students in the analysis of climate data and models, examining predictions, and dealing with uncertainty Features workshops with each chapter that enhance learning through hands-on engagement Comes with supplementary online slides, code, and data files Requires only elementary undergraduate-level calculus and basic statistics; no prior coursework in science is assumed Solutions manual available (only to instructors)

Encyclopedia of Global Warming and Climate Change

The Uninhabitable Earth

Is the obsession with 'climate change' turning out to be the most costly scientific blunder in history?

The Discovery of Global Warming

Our Changing Menu

A Novel of the Great Warming

The Great Derangement

Most Christian lifestyle or environmental books focus on how to live in a sustainable and conservalational manner. A CLIMATE FOR CHANGE shows why Christians should be living that way, and the consequences of doing so. Drawing on the two authors' experiences, one as an internationally recognized climate scientist and the other as an evangelical leader of a growing church, this book explains the science underlying global warming, the impact that human activities have on it, and how our Christian faith should play a significant role in guiding our opinions and actions on this important issue.

This original book considers one of the most extraordinary scientific and political stories of our time: how in the 1980s a handful of scientists came to believe that mankind faced catastrophe from runaway global warming, and how today this has persuaded politicians to land us with what promises to be the biggest bill in history.

Christopher Booker interweaves the science of global warming with that of its growing political consequences, showing how just when the politicians are threatening to change our Western way of life beyond recognition, the scientific evidence behind the global warming theory is being challenged like never before. The book exposes the myth that the global warming theory is supported by a 'consensus of the world's top climate scientists'. It shows how the UN's Intergovernmental Panel on Climate Change is run by a small group of 'global warming' zealots, who have repeatedly rigged evidence to support their theory. But the politicians, pushed by the media, have so fallen for its propaganda that, short of dramatic change, our Western world now faces an unprecedented disaster.

A capricious beast ever since the days when he had dragged around fossil lake basins in Nevada for his doctoral thesis, Broecker had been interested in sudden climate shifts. Here is his most surprising and important calculation.

"[A]n assimilation of the latest, most up-to-date scientific knowledge on the subject [of global warming], based on information sourced from NASA, the Intergovernmental Panel on Climate Change, The Stern Review on the Economics of Climate Change, the World Wildlife Fund, the National Oceanic Atmospheric Administration, Mongabay, as well as other relevant organisations."--Cover.

Climate Change and the Foods We Love and Need

The Greatest Hoax

Climate Change in the Great Lakes Region

Climate Change Fiction Vs. Scientific Facts

Global Warming Facts for Faith-Based Decisions

The Health and Social Costs of Global Warming

The Great Global Warming Blunder

Global Climate Change presents both practical and theoretical aspects of global climate change from across geological periods. It addresses holistic issues related to climate change and its contribution in triggering the temperature increase with a multitude of impacts on natural processes. As a result, it helps to identify the gaps between policies that have been put in place and the continuously increasing emissions. The challenges presented include habitability, biodiversity, natural resources, and human health. It is organized into information on the past, present, and future of climate change to lead to a more complete understanding and therefore effective solutions. Placing an emphasis on recent climate change research, Global Climate Change helps to bring researchers and graduate students in climate science, environmental science, and sustainability up to date on the science of climate change so far and presents a baseline for how to move into the future effectively. Addresses the variety of challenges associated with climate change, along with possible solutions Includes suggestions for future research on climate change Covers climate change holistically, including global and regional scales, ecosystems, agriculture, energy, and sustainability Presents both practical and theoretical research, including coverage of climate change over various geological periods

"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. In California, wildfires now rage year-round, destroying thousands of homes. Across the US, "500-year" storms pummel communities month after month, and floods displace tens of millions annually. This is only a preview of the changes to come. And they are coming fast. Without a revolution in how billions of humans conduct their lives, parts of the Earth could become close to uninhabitable, and other parts horrifically inhospitable, as soon as the end of this century. In his travelogue of our near future, David Wallace-Wells brings into stark relief the climate troubles that await -- food shortages, refugee emergencies, and other crises that will reshape the globe. But the world will be remade by warming in more profound ways as well, transforming our politics, our culture, our relationship to technology, and our sense of history. It will be all-encompassing, shaping and distorting nearly every aspect of human life as it is lived today. Like An Inconvenient Truth and Silent Spring before it, The Uninhabitable Earth is both a meditation on the devastation we have brought upon ourselves and 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"--

WANT ACCESS TO SOLID SCIENTIFIC FACTS REFUTING THE INCESSANT MEDIA HYPE SURROUNDING CLIMATE CHANGE? THEN THE MYTHOLOGY OF GLOBAL WARMING IS FOR YOU! The Mythology of Global Warming is intended to provide the general public with a broad spectrum of scientific and factual information on the subject of Climate Change. This book debunks the incessant, emotional, and largely unsubstantiated claims made by the progressive media and climate scientists that industrial societies such as the United States are destroying our planet due to the use of fossil fuels. What causes global warming? What is a greenhouse gas? What impact do carbon dioxide emissions from fossil fuels actually have on the Earth's climate relative to naturally occurring phenomena? Is all ice on Earth really melting, and are sea levels rising at a catastrophic rate? Are all forms of extreme weather, including hurricanes, tornadoes, floods, and droughts increasing dramatically? Are polar bears and other life forms being pushed to the brink of extinction? Will all of this mayhem cease if fossil fuels are replaced by 'green' renewable energy sources? Answers to these questions clearly show that hard facts do not support any of the above dire predictions. The science of global warming is indeed 'settled'; Global Warming is a myth. ..".Global warming proponents can't prove that man is destroying the planet due to global warming, but Dr. Bunker can prove that we are not. He packs a lot of punch in this small package. Read it, and arm yourself for the great debate."---Phil Valentine, nationally syndicated talk show host of the Phil Valentine Show on Westwood One "In the past 20 years I have reviewed two dozen books dealing with Anthropomorphic Global Warming. There has not been nor ever will be a more comprehensive and understandable book on this subject which is critical to the entire world's population."--Jay Lehr, Ph.D. Science Director, The Heartland Institute "This is a scholarly work written by a true scientist, yet in a way that makes the topic still accessible to the average person interested in understanding both the science and also the politics of global warming. Highly recommended."--Dr. Jennifer Marohasy, Senior Fellow, Australia's Institute of Public Affairs, co-author of "Climate Change: The Facts, 2014" "Unlike so many others, Dr. Bunker's book is so much more than a supposition wrapped up in a pretty bow of meaningless numbers. If you've been waiting for a book that gives actual facts in an easily checked form, you've found it."--G. Dedrick Robinson Ph.D., co-author of Global Warming: Alarmists, Skeptics & Deniers. "A timely and well researched book not only for the thoughtful engaged reader, but also for the general public. The book is up-to-date and deals honestly with continuing controversies and uncertainties."--Dr. Sonja A. Boehmer-Christiansen, Department of Geography, Hull University, Former Editor, Energy & Environment.

"The Great Global Warming Blunder provides a simple explanation for why forecasts of a global warming Armageddon constitute a major scientific faux pas: climate researchers have mixed up cause and effect when they have analyzed cloud behavior. Combining illustrations from everyday experience with state-of-the-art satellite measurements, Roy W. Spencer reveals how these scientists have been fooled by Mother Nature into believing that the Earth's climate system is very sensitive to humanity's production of carbon dioxide through the use of fossil fuels. He presents evidence that recent warming, rather than being the fault of humans, is a result of chaotic, internal natural cycles that have been causing periods of warming and cooling for thousands of years" --Cover, p. 2.

Second edition

A Climate for Change

How Climate Made History 1300-1850

The Impact of Global Warming on Texas

The Real Global Warming Disaster

Every 1,500 Years

The Great Warming

When The Impact of Global Warming on Texas was first published in 1995, it discussed climate change as a likely future phenomenon, predicted by scientific studies. This entirely rewritten second edition presents evidence that early climate change impacts can now be observed and identifies the threats climate change will pose to Texas through the year 2050. It also offers the hopeful message that corrective action, if taken now, can avert unmanageable consequences. The book begins with a discussion of climate science and modeling and the information that can be derived from these sources for Texas. The authors follow this with an analysis of actual climate trends in the various Texas climate regions, including a predicted rise in temperatures of 5.4 degrees F (plus or minus 1.8 F) by the end of the century. This could lead to less rainfall and higher evaporation, especially in regions that are already dry. Other important effects include possible changes in El Ni ñ o (climate variability) patterns and hurricane behaviors. Taking into account projected population growth, subsequent chapters explore likely trends with respect to water availability, coastal impacts, and biodiversity. The authors then look at the issues from a policy perspective, focusing on Texas's importance to the national economy as an energy producer, particularly of oil and gas. They recommend that Texas develop its own climate change policy to serve the goals of reducing greenhouse gas emissions, increasing energy independence, ensuring regional security, and improving management of water, air, land, and wildlife.

Describes the scientific evidence for global warming and its likely consequences, and considers the political implications and what governments, businesses, and individuals can do about the phenomenon and the issues it evokes

Argues that global warming is a natural, cyclical phenomenon that has not been caused by human activities and that its negative consequences have been greatly overestimated.

The Down-to-Earth Guide to Global Warming is the comprehensive resource readers can look to for understanding why global warming happens and how we can all work together to stop it. Irreverent and entertaining, packed with essential facts and suggestions for how to effect change, the book offers a message of hope. Kids and adults alike can help prevent the full consequences of global warming--we all have a part to play.

How Global Warming is Changing the World

The 2084 Report

Climate Change and the Rise and Fall of Civilizations

Answers for Young Readers

Earth Under Fire

How Mother Nature Fooled the World's Top Climate Scientists

Climate Change

This second edition of Climate Change is an accessible and comprehensive guide to the science behind global warming. Edmond A. Mathez and Jason E. Smerdon provide a broad, informative introduction to the science that underlies our understanding of the climate system and the effects of human activity on the warming of our planet.

With its soaring azure sky and stark landscapes, the American Southwest is one of the most hauntingly beautiful regions on earth. Yet staggering population growth, combined with the intensifying effects of climate change, is driving the oasis-based society close to the brink of a Dust-Bowl-scale catastrophe. In A Great Aridness, William deBuys paints a compelling picture of what the Southwest might look like when the heat turns up and the water runs out. This semi-arid land, vulnerable to water shortages, rising temperatures, wildfires, and a host of other environmental challenges, is poised to bear the heaviest consequences of global environmental change in the United States. Examining interrelated factors such as vanishing wildlife, forest die backs, and the over-allocation of the already stressed Colorado River--upon which nearly 30 million people depend--the author narrates the landscape's history--and future. He tells the inspiring stories of the climatologists and others who are helping untangle the complex, interlocking causes and effects of global warming. And while the fate of this region may seem at first blush to be of merely local interest, what happens in the Southwest, deBuys suggests, will provide a glimpse of what other mid-latitude arid lands worldwide--the Mediterranean Basin, southern Africa, and the Middle East--will experience in the coming years. Written with an elegance that recalls the prose of John McPhee and Wallace Stegner, A Great Aridness offers an unflinching look at the dramatic effects of climate change occurring right now in our own backyard.

The author presents his perspectives and opinions on the proposed "carbon taxes" and energy regulations currently part of the global warming debate among members of the Congress and the U.S. government.

For fans of The Drowned World and World War Z, this "sobering and scary (and fascinating) novel—a look at where we're going if we don't quickly get our act together" (Bill McKibben, New York Times bestselling author) regarding climate change—unveils our potential terrifying future. 2084: Global warming has proven worse than even the most dire predictions scientists had made at the turn of the century. No country—and no one—has remained unscathed. Through interviews with scientists, political leaders, and citizens around the globe, this riveting fictional oral history describes in graphic detail the irreversible effects the Great Warming has had on humankind and the planet. In short chapters about topics like sea level rise, drought, migration, war, and more, The 2084 Report brings global warming to life, revealing a new reality in which Rotterdam doesn't exist, Phoenix has no electricity, and Canada is part of the United States. From wars over limited resources to the en masse migrations of entire countries and the rising suicide rate, the characters describe other issues they are confronting in the world they share with the next two generations. "If the existential threat of climate change keeps you up at night, James Lawrence Powell's The 2084 Report will make you want to do everything in your power to elect leaders who will combat global warming and save our planet" (Marie Claire).

Drawdown

Global Warming

Behind the Curve

Global Warming and Climate Change Demystified

Climate Change and the Unthinkable

Climate Change and Social Inequality

Climate Bogeyman

Comprehensive and up-to-date information on Earth's most dominant year-to-year climate variation The El Ni ñ o Southern Oscillation (ENSO) in the Pacific Ocean has major worldwide social and economic consequences through its global scale effects on atmospheric and oceanic circulation, marine and terrestrial ecosystems, and other natural systems. Ongoing climate change is projected to significantly alter ENSO's dynamics and impacts. El Ni ñ o Southern Oscillation in a Changing Climate presents the latest theories, models, and observations, and explores the challenges of forecasting ENSO as the climate continues to change. Volume highlights include: Historical background on ENSO and its societal consequences Review of key El Ni ñ o (ENSO warm phase) and La Ni ñ a (ENSO cold phase) characteristics Mathematical description of the underlying physical processes that generate ENSO variations Conceptual framework for understanding ENSO changes on decadal and longer time scales, including the response to greenhouse gas forcing ENSO impacts on extreme ocean, weather, and climate events, including tropical cyclones, and how ENSO affects fisheries and the global carbon cycle Advances in modeling, paleo-reconstructions, and operational climate forecasting Future projections of ENSO and its impacts Factors influencing ENSO events, such as inter-basin climate interactions and volcanic eruptions The American Geophysical Union promotes discovery in Earth and space science for the benefit of humanity. Its publications disseminate scientific knowledge and provide resources for researchers, students, and professionals.

Global warming is one of the most talked about science subjects today. Maybe you have seen pictures of polar bears or other animals stranded atop floating chunks of melting ice. Perhaps you have heard about or lived through extreme weather--hurricanes, floods, water shortages, heat waves, or electricity blackouts. Many of these events can stem from the world getting warmer. As that happens, the climate changes, too. This book helps young readers understand the sciences used to study global warming. Each chapter addresses specific questions about why the temperatures of the earth's air and oceans are rising. The information presented aligns with the findings of the Intergovernmental Panel on Climate Change: that most of the warming observed over the last half-century is due to human activities and that the impacts of global warming will be significantly negative. Using a question-and-answer format supplemented by hands-on activities, this book fosters an understanding of the complex processes at work in global warming while also enabling youngsters to think critically about their future. McCutcheon ends his book by offering young readers productive ways to think about--and act on--changes in the environment contributing to climate change. McCutcheon taps his mastery of a complicated, highly charged topic to permit young readers to become informed consumers of the sciences associated with the most urgent topic of their future--global warming.

In 1958, Charles David Keeling began measuring the concentration of carbon dioxide in the earth's atmosphere at the Mauna Loa Observatory in Hawaii. His project kicked off a half century of research that has expanded our knowledge of climate change. Despite more than fifty years of research, however, our global society has yet to find real solutions to the problem of global warming. Why? In Behind the Curve, Joshua Howe attempts to answer this question. He explores the history of global warming from its roots as a scientific curiosity to its place at the center of international environmental politics. The book follows the story of rising CO2 illustrated by the now famous Keeling Curve through a number of historical contexts, highlighting the relationships among scientists, environmentalists, and politicians as those relationships changed over time. The nature of the problem itself, Howe explains, has privileged scientists as the primary spokespeople for the global climate. But while the science first forms of advocacy they developed to fight global warming produced more and better science, the primacy of science in global warming politics has failed to produce meaningful results. In fact, an often exclusive focus on science has left advocates for change vulnerable to political opposition and has limited much of the discussion to debates about the science itself. As a result, while we know much more about global warming than we did fifty years ago, CO2 continues to rise. In 1958, Keeling first measured CO2 at around 315 parts per million; by 2013, global CO2 had soared to 400 ppm. The problem is not getting better - it's getting worse. Behind the Curve offers a critical and levelheaded look at how we got here.

Learn more about what climate change means and how it's affecting our planet. The earth is definitely getting warmer. There's no argument about that, but who or what is the cause? And why has climate change become a political issue? Are humans at fault? Is this just a natural development? While the vast majority of scientists who study the environment agree that humans play a large part in climate change, there is a counterargument. Author Gail Herman presents both sides of the debate in this fact-based, fair-minded, and well-researched book that looks at the subject from many perspectives, including scientific, social, and political.

The A-Z of Global Warming

Global Climate Change

The Down-to-Earth Guide to Global Warming

What Is Climate Change?

The Great Ice Age

Starting a Public Discussion : Summary Report

The Science of Global Warming and Our Energy Future

The Great Ice Age documents and explains the natural climatic and palaeoecologic changes that have occurred during the past 2.6 million years, outlining the emergence and global impact of our species during this period. Exploring a wide range of records of climate change, the authors demonstrate the interconnectivity of the components of the Earth's climate system, show how the evidence for such change is obtained, and explain some of the problems in collecting and dating proxy climate data. One of the most dramatic aspects of humanity's rise is that it coincided with the beginnings of major environmental changes and a mass extinction that has the pace, and maybe magnitude, of those in the far-off past that stemmed from climate, geological and occasionally extraterrestrial events. This book reveals that anthropogenic effects on the world are not merely modern matters but date back perhaps a million years or more.

Are we deranged? The acclaimed Indian novelist Amitav Ghosh argues that future generations may well think so. How else to explain our imaginative failure in the face of global warming? In his first major book of nonfiction since In an Antique Land, Ghosh examines our inability—at the level of literature, history, and politics—to grasp the scale and violence of climate change. The extreme nature of today ' s climate events, Ghosh asserts, make them peculiarly resistant to contemporary modes of thinking and imagining. This is particularly true of serious literary fiction: hundred-year storms and freakish tornadoes simply feel too improbable for the novel; they are automatically consigned to other genres. In the writing of history, too, the climate crisis has sometimes led to gross simplifications; Ghosh shows that the history of the carbon economy is a tangled global story with many contradictory and counterintuitive elements. Ghosh ends by suggesting that politics, much like literature, has become a matter of personal moral reckoning rather than an arena of collective action. But to limit fiction and politics to individual moral adventure comes at a great cost. The climate crisis asks us to imagine other forms of human existence—a task to which fiction, Ghosh argues, is the best suited of all cultural forms. His book serves as a great writer ' s summons to confront the most urgent task of our time.

In this New York Times bestseller, Brian Fagan shows how climate transformed-and sometimes destroyed--human societies during the earth's last global warming phase. From the 10th to 15th centuries the earth experienced a rise in surface temperature that changed climate worldwide-a preview of today's global warming. In some areas, including much of Western Europe, longer summers brought bountiful crops and population growth that led to cultural flowering. In others, drought shook long-established societies, such as the Maya and the Indians of the American Southwest, whose monumental buildings were left deserted as elaborate social structures collapsed. Brian Fagan examines how subtle changes in the environment had far-reaching effects on human life, in a narrative that sweeps from the Arctic ice cap to the Sahara to the Indian Ocean. The lessons of history suggest we may be yet be underestimating the power of climate change to disrupt our lives today.

200 Pages / 500 Illustrations / In bold and certain defiance of "the great and the good" who continue to proclaim "Global Warming" to be "settled science," noted anti-Globalist author M S King aligns himself firmly and proudly in the camp of what the media refers to as "climate change deniers." What separates this work from that of so many other excellent books and documentaries which debunk the hoax of manmade "Global Warming" is that it provides a complete picture of the scam - one that not only encompasses the Fake Science, but also ties it into the public relations component and the historical geopolitical context which drives the "Climate Bogeyman."It is self-defeating to "respectfully disagree" with the warmists. Any respect afforded to that crowd implies that they, in the words of one "denialist" film maker, are "not evil, just wrong." To hell with pulling punches! These people need to be called out.Now there are indeed many innocent fools and dupes, including some scientists, who, under the influence of propaganda and "expert" authority, have obediently swallowed the dogmatic dung of "Global Warming" -- aka "Climate Change" -- and actually do believe in it. As for the inner circle movers and shakers behind the great scam; these EVIL conspirators know exactly what they are doing and they need to be placed on the defensive and called out not as fools or merely sloppy practitioners of science, but as the criminal hoaxsters that they and their invisible handlers truly are.Let's unmask this gigantic fraud.

Toward a New Psychology of Climate Action

The Little Ice Age

The Most Comprehensive Plan Ever Proposed to Reverse Global Warming

The Criminal Insanity of the Global Warming / Climate Change Hoax

A Great Aridness

Global Warming Science

El Niño Southern Oscillation in a Changing Climate

DIVOnly in the last decade have climatologists developed an accurate picture of yearly climate conditions in historical times. This development confirmed a long-standing suspicion: that the world endured a 500-year cold snap-The Little Ice Age-that lasted roughly from A.D. 1300 until 1850. The Little Ice Age tells the story of the turbulent, unpredictable and often very cold years of modern European history, how climate altered historical events, and what they mean in the context of today's global warming. With its basis in cutting-edge science, The Little Ice Age offers a new perspective on familiar events. Renowned archaeologist Brian Fagan shows how the increasing cold affected Norse exploration; how changing sea temperatures caused English and Basque fishermen to follow vast shoals of cod all the way to the New World; how a generations-long subsistence crisis in France contributed to social disintegration and ultimately revolution; and how English efforts to improve farm productivity in the face of a deteriorating climate helped pave the way for the Industrial Revolution and hence for global warming. This is a fascinating, original book for anyone interested in history, climate, or the new subject of how they interact. /Div

Climate Change is geared toward a variety of students and general readers who seek the real science behind global warming. Exquisitely illustrated, the text introduces the basic science underlying both the natural progress of climate change and the effect of human activity on the deteriorating health of our planet. Noted expert and author Edmond A. Mathez synthesizes the work of leading scholars in climatology and related fields, and he concludes with an extensive chapter on energy production, anchoring this volume in economic and technological realities and suggesting ways to reduce greenhouse-gas emissions. Climate Change opens with the climate system fundamentals: the workings of the atmosphere and ocean, their chemical interactions via the carbon cycle, and the scientific framework for understanding climate change. Mathez then brings the climate of the past to bear on our present predicament, highlighting the importance of paleoclimatology in understanding the current climate system. Subsequent chapters explore the changes already occurring around us and their implications for the future. In a special feature, Jason E. Smerdon, associate research scientist at Lamont-Doherty Earth Observatory of Columbia University, provides an innovative appendix for students.

Why does knowing more mean believing—and doing—less? A prescription for change The more facts that pile up about global warming, the greater the resistance to them grows, making it harder to enact measures to reduce greenhouse gas emissions and prepare communities for the inevitable change ahead. It is a catch-22 that starts, says psychologist and economist Per Espen Stoknes, from an inadequate understanding of the way most humans think, act, and live in the world around them. With dozens of examples—from the private sector to government agencies—Stoknes shows how to retell the story of climate change and, at the same time, create positive, meaningful actions that can be supported even by deniers. In What We Think About When We Try Not To Think About Global Warming, Stoknes not only masterfully identifies the five main psychological barriers to climate action, but addresses them with five strategies for how to talk about global warming in a way that creates action and solutions, not further inaction and despair. These strategies work with, rather than against, human nature. They are social, positive, and simple—making climate-friendly behaviors easy and convenient. They are also story-based, to help add meaning and create community, and include the use of signals, or indicators, to gauge feedback and be constantly responsive. Whether you are working on the front lines of the climate issue, immersed in the science, trying to make policy or educate the public, or just an average person trying to make sense of the cognitive dissonance or grapple with frustration over this looming issue, What We Think About When We Try Not To Think About Global Warming moves beyond the psychological barriers that block progress and opens new doorways to social and personal transformation.

From the 10th to the 15th centuries the earth experienced a rise in surface temperature that changed climate worldwide--a preview of today's global warming. In some areas, including Western Europe, longer summers brought bountiful harvests and population growth that led to cultural flowering. In the Arctic, Inuit and Norse sailors made cultural connections across thousands of miles as they traded precious iron goods. Polynesian sailors, riding new wind patterns, were able to settle the remotest islands on earth. But in many parts of the world, the warm centuries brought drought and famine. Elaborate societies in western and Central America collapsed, and the vast building complexes of Chaco Canyon and the Mayan Yucatan were left empty. Anthropologist and historian Brian Fagan reveals how subtle changes in the environment had far-reaching effects on human life, in a narrative that sweeps from the Arctic ice cap to the Sahara to the Indian Ocean.--From publisher description.

India's Climate-Change Crisis and What We Can Do about It

Climate Change and the Future of the American Southwest

The Mythology of Global Warming

A Quantitative Introduction to Climate Change and Its Consequences

Science and the Politics of Global Warming

The Climate Solution

The Complete Briefing

• New York Times bestseller • The 100 most substantive solutions to reverse global warming, based on meticulous research by leading scientists and policymakers around the world " At this point in time, the Drawdown book is exactly what is needed; a credible, conservative solution-by-solution narrative that we can do it. Reading it is an effective inoculation against the widespread perception of doom that humanity cannot and will not solve the climate crisis. Reported by-effects include increased determination and a sense of grounded hope. " —Per Espen Stoknes, Author, What We Think About When We Try Not To Think About Global Warming " There ' s been no real way for ordinary people to get an understanding of what they can do and what impact it can have. There remains no single, comprehensive, reliable compendium of carbon-reduction solutions across sectors. At least until now. . . . The public is hungry for this kind of practical wisdom. " —David Roberts, Vox " This is the ideal environmental sciences textbook—only it is too interesting and inspiring to be called a textbook. " —Peter Kareiva, Director of the Institute of the Environment and Sustainability, UCLA In the face of widespread fear and apathy, an international coalition of researchers, professionals, and scientists have come together to offer a set of realistic and bold solutions to climate change. One hundred techniques and practices are described here—some are well known; some you may have never heard of. They range from clean energy to educating girls in lower-income countries to land use practices that pull carbon out of the air. The solutions exist, are economically viable, and communities throughout the world are currently enacting them with skill and determination. If deployed collectively on a global scale over the next thirty years, they represent a credible path forward, not just to slow the earth ' s warming but to reach drawdown, that point in time when greenhouse gases in the atmosphere peak and begin to decline. These measures promise cascading benefits to human health, security, prosperity, and well-being—giving us every reason to see this planetary crisis as an opportunity to create a just and livable world. The year 2016 was the hottest year on record and the third consecutive record-breaking year in planet temperatures. The following year was the hottest in a non-El Nino year. Of the seventeen hottest years ever recorded, sixteen have occurred since 2000, indicating the trend in climate change is toward an ever warmer Earth. However, climate change does not occur in a social vacuum; it reflects relations between social groups and forces us to contemplate the ways in which we think about and engage with the environment and each other. Employing the experience-near anthropological lens to consider human social life in an environmental context, this book examines the fateful global intersection of ongoing climate change and widening social inequality. Over the course of the volume, Singer argues that the social and economic precarity of poorer populations and communities—from villagers to the urban disadvantaged in both the global North and global South—is exacerbated by climate change, putting some people at considerably enhanced risk compared to their wealthier counterparts. Moreover, the book adopts and supports the argument that the key driver of global climatic and environmental change is the global economy controlled primarily by the world ' s upper class, which profits from a ceaseless engine of increased production for national middle classes who have been converted into constant consumers. Drawing on case studies from Alaska, Ecuador, Bangladesh, Haiti and Mali, Climate Change and Social Inequality will be of great interest to students and scholars of climate change and climate science, environmental anthropology, medical ecology and the anthropology of global health.

2008 Best Reference, Library Journal "The impact of global warming is rapidly evolving. This valuable resource provides an excellent historical overview and framework of this topic and serves as a general resource for geography, oceanography, biology, climatology, history, and many other subjects. A useful reference for a wide audience of business professionals and government officials as well as for the general public; essential for both academic and public libraries." —Library Journal "This is a useful set because of the individual country entries as well as the general-audience language . . ." —Booklist (Starred Review) The Encyclopedia of Global Warming and Climate Change helps readers learn about the astonishingly intricate processes that make ours the only planet known to be habitable. These three volumes include more than 750 articles that explore major topics related to global warming and climate change—ranging geographically from the North Pole to the South Pole, and thematically from social effects to scientific causes. Key Features Contains a 4-color, 16-page insert that is a comprehensive introduction to the complexities of global warming Includes coverage of the science and history of climate change, the polarizing controversies over climate-change theories, the role of societies, the industrial and economic factors, and the sociological aspects of climate change Emphasizes the importance of the effects, responsibilities, and ethics of climate change Presents contributions from leading scholars and institutional experts in the geosciences Serves as a general resource for geography, oceanography, biology, climatology, history, and many other subjects The Encyclopedia of Global Warming and Climate Change provides a primarily nonscientific resource to understanding the complexities of climate change for academic and public libraries. READER'S GUIDE Atmospheric Sciences Climate climate and Society Climate Change, Effects Climate Feedbacks Climate Models Countries: Africa Countries: Americas Countries: Asia Countries: Europe Countries: Pacific Glaciology Government and International Agencies Institutions Studying Climate Change Oceanography Paleo-Climates People Programs And Conventions

A non-heated discussion on global warming and climate change Interested in getting to the core of the reasons for the Earth's changing climate? Want an accurate reading on the science behind global warming? Here's your gauge! This easy-to-follow guide offers a temperate view of this hot topic. Global Warming & Climate Change Demystified starts by looking at scientific data gathered from weather instruments, satellite telemetry, ice cores, and coral sections that reveal how the Earth's temperature is changing. The book goes on to examine the causes of climate change, including both natural processes and human-generated greenhouse gases. Finally, the consequences of global warming are discussed and a wide variety of viable solutions that can be implemented by individuals as well as society as a whole are presented. Complete with end-of-chapter quizzes and a final review to test your knowledge, this book will teach you the fundamentals of global warming and climate change in an unbiased and thorough manner. This fast and easy guide offers: A thorough review of scientific data Details on the evidence of global warming worldwide Information on the origin and impact of greenhouse gases Explanations of alternatives to carbon-based energy sources Suggestions for local and global solutions Simple enough for a beginner, but challenging enough for an advanced student, Global Warming & Climate Change Demystified is your shortcut to understanding this important and timely issue.

Unstoppable Global Warming

How the Global Warming Conspiracy Threatens Your Future

Observed impacts on Planet Earth

What We Think About When We Try Not To Think About Global Warming

Life After Warming

Climate Change and Life

What are Global Warming and Climate Change?

"This report presents a summary of the "Starting a public discussion" series of eight seminars on climate change and some of its likely effects on Wisconsin and the Great Lakes region that were held at seven locations around the state in 2007."

From fatal heatwaves and cruel droughts to devastating floods and fast-depleting water tables, climate change is the greatest disruptor of our time ? and it can no longer be ignored. For most of us the odds seem overwhelming and solutions seem out of reach. Yet, in this forcefully argued book, climate change practitioner, teacher and investor Mridula Ramesh emphasizes that while the situation is grim, it is not without hope. Drawing on her extensive practical and investing experience, she explores myriad facets of this raging issue: why women are peculiarly affected by a warming climate; how climate change poses a security threat to the Indian state; why just focussing on green sources of power is an incomplete solution for India; how managing waste can create hundreds of thousands of urban jobs and how households can cope in a `Day Zero? water situation. In doing so, she shows how climate warriors, from the cotton fields of Punjab and thriving eco start-ups in Bengaluru, to a forest guardian in Assam and the johads of Rajasthan, have employed ingenuity and initiative to adapt to the changing conditions ? and sometimes reverse their shattering effects. Timely, urgent and thought-provoking, this book is an urgent call to action ? and an essential manifesto for every Indian citizen to follow.