Climate Change, Disaster Risk, and the Urban Poor
Blood on the Stone
Disease Emergence and Resurgence
What is a Volcano?
The Art of Public Speaking
The Disappearing Spoon
Doctors and Slaves
Tsunami
Climate Information for Public Health
Action
Volcanic Lakes
The Valley of Ten Thousand Smokes
Volcanoes
Recent Technologies for Disaster Management
and Risk Reduction
Rare Earth Frontiers
Volcanoes, Earthquakes and Tsunamis:
A Complete Introduction:
Teach Yourself
Silent Spring
Natural Hazards and Disasters
The Shake
Out
Earthquake Scenario
Koenig and Schultz's Disaster Medicine
Encyclopedia of Disasters:
Environmental Catastrophes and Human Tragedies [2 Volumes]
Mount St. Helens
Reducing Disaster: Early Warning Systems
For Climate Change
This Dynamic Planet
Timescales of Magmatic Processes
Volcanic Eruptions and Their Repose, Unrest, Precursors, and Timing
The Best Book of Volcanoes
Volcanic Unrest
The Handy Science Answer Book
Imagining Extinction
Plate Tectonics,
Volcanoes, and Earthquakes
The Life and Work of James A. Garfield
A New Look at an Old Earth
Oceanography of the British Columbia Coast
Homo Deus
Volcanic Tourist Destinations
Backpacker
The Encyclopaedia Britannica
Volcanoes
The Illustrated History of the Elements
Global Public Relations
Essay by Peter Galassi.
This book aims to give an overview on the present state of volcanic lake research, covering topics such as volcano monitoring, the chemistry, dynamics and degassing of acidic crater lakes, mass-energy-chemical-isotopic balance approaches, limnology and degassing of Nyos-type lakes, the impact on the human and natural environment, the eruption products and impact of crater lake breaching eruptions, numerical modeling of gas clouds and lake eruptions, thermo-hydro-mechanical and deformation modeling, CO2 fluxes from lakes, volcanic lakes observed from space, biological activity, continuous monitoring techniques, and some aspects more. We hope to offer an updated manual on volcanic lake research, providing classic research methods, and point towards a more high-tech approach of future volcanic lake research and continuous monitoring. Comprehensively describes the nature and process of tsunami, for students and researchers, and general public.
Africa’s diamond wars took four million lives. 'Blood on the Stone' tells the story of how diamonds came to be so dangerous, describing the great diamond cartel and a dangerous pipeline leading from war-torn Africa to the glittering showrooms of Paris, London and New York. It describes the campaign that forced an industry and more than 50 governments to create a global control mechanism, and it provides a sobering prognosis on its future. The urban poor living in slums are at particularly high risk from the impacts of climate change and natural hazards. This study analyzes key issues affecting their vulnerability, with evidence from a number of cities in the developing world. NATURAL HAZARDS AND DISASTERS, 5e provides easy-to-understand coverage of the geological processes that underlie disasters, explores the impact these processes have on humans and vice versa, and analyzes strategies for mitigating these hazards’ physical and financial harm. From timely information on recent natural disasters in the United States and around the world to insights on earthquakes associated with fracking, this fascinating book provides the up-to-date information you need to analyze potential hazards and take the steps necessary to survive a natural disaster. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. This is the definitive reference on disaster medicine, outlining areas of proficiency for health care professionals handling mass casualty crises. Public health professionals, field epidemiologists, health management workers and health policymakers are increasingly concerned about the potential impact that climate change can have on public health. Climate not only determines the spatial and seasonal distribution of many public health events, such as infectious diseases, health outcomes of disasters and nutrition, but also is a key determinant of extreme heat waves and storm events that result in large impacts on morbidity and mortality. However, few public health professionals are aware of the ways in which climate information may help them manage the impacts of climate on their disease surveillance and control activities, as well as program implementation and evaluation. Climate Information for Public Health Action fills an identified knowledge gap for health policy makers and practitioners (along with climate service providers) in exploring why, when and how climate information can and should be incorporated into health decision-making. Drawing together contributions from a range of key thinkers in the field, this volume will focus on three climate sensitive health outcome areas: infectious disease, hydrometeorological disasters, and nutrition. Targeting a technical professional public health community involved in developing policy and/or ensuring good practice related to climate sensitive health outcomes, this book will be written in an accessible, informative style using the highest technical and scientific standards. It will also be a valuable resource for students and academics studying and working in the emerging field of environment and health. Quantifying the timescales of current geological processes is critical for constraining the physical mechanisms operating on the Earth today. Since the Earth's origin 4.55 billion years ago magmatic processes have continued to shape the Earth, producing the major reservoirs that exist today (core, mantle, crust, oceans and atmosphere) and promoting their continued evolution. But key questions remain. When did the core form and how quickly? How are magmas produced in the mantle, and how rapidly do they travel towards the surface? How long do magmas reside in the crust, differentiating and interacting with the host rocks to yield the diverse set of igneous rocks we see today? How fast are volcanic gases such as carbon dioxide released into the atmosphere? This book addresses these and other questions by reviewing the latest advances in a wide range of Earth Science disciplines: from the measurement of short-lived radionuclides to the study of element diffusion in crystals and numerical modelling of magma behaviour. It will be invaluable reading for advanced undergraduate and graduate students, as well
as igneous petrologists, mineralogists and geochemists involved in the study of igneous rocks and processes. Volcanic eruptions are common, with more than 50 volcanic eruptions in the United States alone in the past 31 years. These eruptions can have devastating economic and social consequences, even at great distances from the volcano. Fortunately many eruptions are preceded by unrest that can be detected using ground, airborne, and spaceborne instruments. Data from these instruments, combined with basic understanding of how volcanoes work, form the basis for forecasting eruptions. Where, when, how big, how long, and the consequences. Accurate forecasts of the likelihood and magnitude of an eruption in a specified timeframe are rooted in a scientific understanding of the processes that govern the storage, ascent, and eruption of magma. Yet our understanding of volcanic systems is incomplete and biased by the limited number of volcanoes and eruption styles observed with advanced instrumentation. Volcanic Eruptions and Their Repose, Unrest, Precursors, and Timing identifies key science questions, research and observation priorities, and approaches for building a volcano science community capable of tackling them. This report presents goals for making major advances in volcano science. This open access book summarizes the findings of the VUELCO project, a multi-disciplinary and cross-boundary research funded by the European Commission’s 7th framework program. It comprises four broad topics: 1. The global significance of volcanic unrest 2. Geophysical and geochemical fingerprints of unrest and precursory activity 3. Magma dynamics leading to unrest phenomena 4. Bridging the gap between science and decision-making Volcanic unrest is a complex multi-hazard phenomenon. The fact that unrest may, or may not lead to an imminent eruption contributes significant uncertainty to short-term volcanic hazard and risk assessment. Although it is reasonable to assume that all eruptions are associated with precursory activity of some sort, the understanding of the causative links between subsurface processes, resulting unrest signals and imminent eruption is incomplete. When a volcano evolves from dormancy into a phase of unrest, important scientific, political and social questions need to be addressed. This book is aimed at graduate students, researchers of volcanic phenomena, professionals in volcanic hazard and risk assessment, observatory personnel, as well as emergency managers who wish to learn about the complex nature of volcanic unrest and how to utilize new findings to deal with unrest phenomena at scientific and emergency managing levels. This book is open access under a CC BY license. From New York Times bestselling author Sam Kean comes incredible stories of science, history, finance, mythology, the arts, medicine, and more, as told by the Periodic Table. Why did Gandhi hate iodine (I, 53)? How did radium (Ra, 88) nearly ruin Marie Curie’s reputation? And why is gallium (Ga, 31) the go-to element for prankster labs? The Periodic Table is a crowning scientific achievement, but it’s also a treasure trove of adventure, betrayal, and obsession. These fascinating tales follow every element on the table as they play out their parts in human history, and in the lives of the (frequently) mad scientists who discovered them. The DISAPPEARING SPOON masterfully fuses science with the classic lore of invention, investigation, and discovery—from the Big Bang through the end of time. “Though solid at room temperature, gallium is a moldable metal that melts at 84 degrees Fahrenheit. A classic science prank is to mold gallium spoons, serve them with tea, and watch guests recoil as their utensils disappear. Find out about geothermal energy, plate tectonics, and pyroclastic flow as they relate to the causes and effects of volcanic eruption. Backpacker brings the outdoors straight to the reader’s doorstep, inspiring and enabling them to go more places and enjoy nature more often. The authority on active adventure, Backpacker is the world’s first GPS-enabled magazine, and the only magazine whose editors personally test the hiking trails, camping gear, and survival tips they publish. Backpacker’s Editors’ Choice Awards, an industry honor recognizing design, feature and product innovation, has become the gold standard against which all other outdoor-industry awards are measured. Owing to their unique magnetic, phosphorescent, and catalytic properties, rare earths are the elements that make possible everything from the miniaturization of electronics, to the enabling of green energy and medical technologies, to supporting essential telecommunications and defense systems. An iPhone uses eight rare earths for everything from its colored screen, to its speakers, to the miniaturization of the phone’s circuitry. On the periodic table rare earth elements comprise a set of seventeen chemical elements (the fifteen lanthanides plus scandium and yttrium). There would be no Pokémǒn Go without rare earths. Rare Earth Frontiers is a work of human geography. Klinger looks historically and geographically at the ways rare earth elements in three discrete but representative and contested sites are given meaning. This engaging series is tailored to young children’s interests and reading level. Lively text explains the basics of a popular subject, while intriguing facts are brought to life through detailed and informative artwork. From under the sea to other planets, colorful close-ups help explain the different types of volcanoes, while clear cutaway illustrations take readers from the outer crust to the red hot core. Discusses the reckless annihilation of fish and birds by the use of pesticides and warns of the possible genetic effects on humans. This book introduces young readers to volcanoes what they are, how they form, and how they affect people. In this study Professor Sheridan presents a rich and wide-ranging account of the health care of slaves in the British West Indies, from 1680-1834. He demonstrates that while Caribbean island settlements were viewed by mercantile statesmen and economists as ideal colonies, the physical and medical realities were very different. The study is based on wide research in archival materials in Great Britain, the West Indies and the United States. By steeping himself in the eighteenth- and nineteenth-century sources, Professor Sheridan is able to recreate the milieu of a past era: he tells us what the slave doctors wrote and how they functioned, and he presents a storehouse of information on how and why the slaves sickened and died. By bringing together these medical demographic and economic sources, Professor Sheridan casts new light on the history of slavery in the Americas. La 4e de couverture de la jaquette indique : “How should science be written? It is a question that piqued natural philosophers of the seventeenth century as they experimented with the rhetorical figures, neologisms, verse-forms, and generic variety that characterise the literary texture of their work. Inspired laymen were quick to borrow from the new philosophy and from practising scientists in order to...
deploy ideas and images from astronomy, optics, chemistry, biology, and medicine. Between them, scientists, natural historians, poets, dramatists, and essayists produced new, adjusted, or hybrid literary forms. The Poetics of Scientific Investigation in Seventeenth-Century England examines those forms and that literary-scientific texture, as well as representations of the scientific--the laboratory, collaborative experimental retirement, and the canons of scientific conversation--and proposes that the writing of seventeenth-century science mirrors the intellectual and investigative processes of early-modern science itself "This comprehensive book addresses the pressing need for up-to-date literature on volcanic destinations (active and dormant) and their role in tourism worldwide in chapters and case studies. The book presents a balanced view about the volcano-based tourism sector worldwide and discusses important issues such as the different volcanic hazards, potential for disasters and accidents and safety recommendations for visitors. Individual chapters and case studies are contributed by a number of internationally based co-authors, with expertise in geology, risk management, environmental science and other relevant disciplines associated with volcanoes. Also covered are risk aspects of volcano tourism such as risk perception, risk management and public safety in volcanic environments. Discussions of the demand for volcano tourism, including geotourism and adventure tourism as well as some historical facts related to volcanoes, with case studies of interesting socio-cultural settings are included. Lucas' "The Art of Public Speaking" is the leading public speaking textbook in the field. Whether a novice or an experienced speaker when beginning the course, every student will learn how to be a better public speaker through Lucas' clear explanations. Creative activities, vivid examples, annotated speech samples, and foundation of classic and contemporary rhetoric provide students a strong understanding of public speaking. When instructors teach from this textbook, they benefit from Lucas' Integrated Teaching Package. The Annotated Instructor's Edition and Instructor's Manual, both written by Steve Lucas, provide teaching tips and give outlines on how to use the various supplements. As a result, instructors are able to see various teaching examples, how to integrate technology, and analyses and discussion questions for video clips in class. The Annotated Instructor's Edition, Instructor's Manual, Test Bank, CDs, videos, and other supplements provide instructors the tools needed to create a dynamic classroom. This edition has a supplement to meet the needs of online classes, Teaching Public Speaking Online with The Art of Public Speaking. This beautiful art book portrays the forces of nature through the main elements of Earth, Water, Air, Fire. It is composed from a large selection of unique images of a wide variety of sources, mostly private collections. It is a highly illustrated book, containing reproductions of rare engravings, maps both old and new, sketches, and diagrams. The book is a sequel to 'The Illustrated History of Natural Disasters', published in 2010. While the first book provided a detailed look into two main kinds of natural disasters (of seismic and volcanic character), this volume presents natural disasters of all kinds: geophysical, hydrological, climatological and biological. The book is divided into three parts: the first part introduces the leading question as to whether the elements should be regarded as constructive, for giving origin to life on Earth, or destructive given the impact of natural disasters to society throughout history; the second illustrates the positive effects of nature’s elements; and the third part depicts and contextualizes the history of natural disasters such as earthquakes, tsunamis, volcano eruptions, landslides, avalanches, draughts, storms, fires, among others. How do volcanoes erupt, what makes earthquakes so destructive, and why do tsunamis happen? Volcanoes, Earthquakes and Tsunamis answers these questions and more, giving you everything you need to know about these powerful natural phenomena. It covers the plate tectonic background to Earth processes, where magma is made and how it erupts, volcano types, eruption hazards and how they are monitored, faults and earthquakes, the causes of tsunamis and tsunami preparedness. You will examine many examples of these frightening events, find out to what extent they can be predicted and mitigated against, and come to realize how they are related and the impact they have on human society and the natural world. Written by Dr David Rothery, a volcanologist, geologist, planetary scientist and Professor of Planetary Geosciences at the Open University, Volcanoes, Earthquakes and Tsunamis: A Complete Introduction is designed to give you everything you need to know, all in one place. It covers the key areas that students are expected to be confident in, outlining the basics in clear English and providing added-value features like a glossary of essential terms and even examples of questions you might be asked in your seminar or exam. The book covers the essentials of most university courses, with an introduction on how the Earth moves, followed by separate sections on volcanoes (including eruptions, types of volcano, volcanic hazards, volcanoes and climate, monitoring volcanoes, predicting eruptions and living with volcanoes), earthquakes (including faults, measurement, seismic monitoring, prediction, prevention and preparedness) and tsunamis. The colour plates referred to in the book can be downloaded from the Teach Yourself online library or accessed through the Teach Yourself Library app. Around the world, extreme weather events are becoming increasingly "the new normal" and are expected to increase in the 21st century as a result of climate change. Extreme weather events have devastating impacts on human lives and national economies. This book examines ways to protect people from hazards using early warning systems, and includes contributions from experts from four different continents representing 14 different universities, 8 government agencies and two UN agencies. Chapters detail critical components of early warning systems, ways to identify vulnerable communities, predict hazards and deliver information. Unique satellite images illustrate the transnational impact of disasters, while case studies provide detailed examples of warning systems. With contributors from the fields of economics, ethics, meteorology, geography and biology, this book is essential reading for anyone interested in disaster risk reduction or climate change. Reconciling the Bible with scientific fact troubles many Christians. Scientist Don Stoner works from the premise that there can be no contradiction between the Word of God and the facts of nature. On a fascinating excursion through Genesis, compare the young and old earth biblical interpretation with modern scientific evidence. Great for study groups and personal use. Foreword by Dr. Hugh Ross. This two-volume set explores disasters that occurred around the world. The disasters are listed
chronologically, beginning with the Supervolcano in Toba, Indonesia in 74000 B.C. and ending with the Greensburg, Kansas tornado in 2007. The entries are detailed and informative and provide the exact causes of each event, whether it was an environmental catastrophe or a human tragedy. This text provides a structured and practical framework for understanding the complexities of contemporary public relations. It is an instructional book that guides the reader through the challenges of communication and problem solving across a range of organizations and cross-cultural settings. Written in a straightforward, lively style, the book covers: foundational theories, and factors that shape the discipline communication across cultures trends affecting the public relations profession throughout the world. Incorporating case studies and commentary to illustrate key principles and stimulate discussion, this book also highlights the different approaches professionals must consider in different contexts, from communicating with employees to liaising with external bodies, such as government agencies or the media. Offering a truly global perspective on the subject, Global Public Relations is essential reading for any student or practitioner interested in public relations excellence in a global setting. A companion website provides additional material for lecturers and students alike:

www.routledge.com/textbooks/9780415448154/This book explains to governments, decision makers and disaster professionals the potential uses of recent technologies for disaster monitoring and risk reduction based on the knowledge and experience of prominent experts/researchers in the relevant fields. It discusses the application of recent technological developments for emerging disaster risks in today's societies and deliberates on the various aspects of disaster risk reduction strategies, especially through sustainable community resilience and responses. This book consists of selected invited papers on disaster management, which focus on community resilience and responses towards disaster risk reduction based on experiences, and closely examines the coordinated research activities involving all stakeholders, especially the communities at risk. Many regions of the world and aspects of disaster risk and its management are covered. It is described how recent technologies will support better understanding and action to reduce the number and impact of disasters in future. The principal audience for this book is researchers, urban planners, policy makers, as well as students. Official U.S. edition with full color illustrations throughout. NEW YORK TIMES BESTSELLER Yuval Noah Harari, author of the critically-acclaimed New York Times bestseller and international phenomenon Sapiens, returns with an equally original, compelling, and provocative book, turning his focus toward humanity's future, and our quest to upgrade humans into gods. Over the past century humankind has managed to do the impossible and rein in famine, plague, and war. This may seem hard to accept, but, as Harari explains in his trademark style—thorough, yet riveting—famine, plague and war have been transformed from incomprehensible and uncontrollable forces of nature into manageable challenges. For the first time ever, more people die from eating too much than from eating too little; more people die from old age than from infectious diseases; and more people commit suicide than are killed by soldiers, terrorists and criminals put together. The average American is a thousand times more likely to die from binging at McDonalds than from being blown up by Al Qaeda. What then will replace famine, plague, and war at the top of the human agenda? As the self-made gods of planet earth, what destinies will we set ourselves, and which quests will we undertake? Homo Deus explores the projects, dreams and nightmares that will shape the twenty-first century—from overcoming death to creating artificial life. It asks the fundamental questions: Where do we go from here? And how will we protect this fragile world from our own destructive powers? This is the next stage of evolution. This is Homo Deus. With the same insight and clarity that made Sapiens an international hit and a New York Times bestseller, Harari maps out our future. Presents an introduction to volcanoes and earthquakes, explaining how the movement of the Earth's interior plates cause their formation and describing the volcanoes which currently exist around the world as well as some of the famous earthquakes of the nineteenth through twenty-first centuries.

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