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Geology and the Environment *Cengage Learning* **Cengage Learning's GEOLOGY AND THE ENVIRONMENT, in partnership with the National Geographic Society brings course concepts to life with interactive learning, study, and exam preparation tools along with market leading text content for introductory geology courses. Whether you use a traditional printed text or all digital GEOLOGY AND THE ENVIRONMENT alternative, it's never been easier to explore the relationship between humans and the geologic hazards, processes, and resources that surround us. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Environmental Geology Environmental geology is geology applied to living. The environment is the sum of all the features and conditions surrounding an organism that may influence it. An individual's physical environment encompasses rocks and soil, air and water, such factors as light and temperature, and other organisms. One's social environment might include a network of family and friends, a particular political system, and a set of social customs that affect one's behavior. Geology is the study of the earth. Because the earth provides the basic physical environment in which we live, all of geology might in one sense be regarded as environmental geology. However, the term environmental geology is usually restricted to refer particularly to geology as it relates directly to human activities, and that is the focus of this book. Environmental geology is geology applied to living. We will examine how geologic processes and hazards influence human activities (and sometimes the reverse), the geologic aspects of pollution and waste-disposal problems, and several other topics -- Introduction to Environmental Geology** *Pearson College Division* **This text focuses on helping non-science majors develop an understanding of how geology and humanity interact. Ed Keller—the author who first defined the environmental geology curriculum—focuses on five fundamental concepts of environmental geology: Human Population Growth, Sustainability, Earth as a System, Hazardous Earth Processes, and Scientific Knowledge and Values. These concepts are introduced at the outset of the text, integrated throughout the text, and revisited at the end of each chapter. TheFifth Edition emphasizes currency, which is essential to this dynamic subject, and strengthens Keller's hallmark "Fundamental Concepts of Environmental Geology," unifying the text's diverse topics while applying the concepts to real-world examples. Chemical Fundamentals of Geology** *Springer* **The second edition of this innovative book provides 'geo-relevant' chemistry in a highly accessible format. The environmental, geological and topical relevance has been enhanced, providing the ideal text to explain the relevance of chemical fundamentals to geological and environmental processes. Environmental Management in Practice** *BoD – Books on Demand* **In recent years the topic of environmental management has become very common. In sustainable development conditions, central and local governments much more often notice the need of acting in ways that diminish negative impact on environment. Environmental management may take place on many different levels - starting from global level, e.g. climate changes, through national and regional level (environmental policy) and ending on micro level. This publication shows many examples of environmental management. The diversity of presented aspects within environmental management and approaching the subject from the perspective of various countries contributes greatly to the development of environmental management field of research. Engineering Geology and the Environment** *CRC Press* **This fourth volume of five from the June 1997 conference was much delayed (the first four volumes were published in 1997). It comprises 23 special lectures solicited for the conference on various aspects of problematic soils, natural and man-made hazards, urban and regional planning, waste disposal, mines and quarries, large engineering works, and protection of geological, geographical, historical, and architectural heritage. There is no subject index. Annotation copyrighted by Book News Inc., Portland, OR Fundamentals of Environmental and Toxicological Chemistry Sustainable Science, Fourth Edition** *CRC Press* **Fundamentals of Environmental and Toxicological Chemistry: Sustainable Science, Fourth Edition covers university-level environmental chemistry, with toxicological chemistry integrated throughout the book. This new edition of a bestseller provides an updated text with an increased emphasis on sustainability and green chemistry. It is organized based on the five spheres of Earth's environment: (1) the hydrosphere (water), (2) the atmosphere (air), (3) the geosphere (solid Earth), (4) the biosphere (life), and (5) the anthrosphere (the part of the environment made and used by humans). The first chapter defines environmental chemistry and each of the five environmental spheres. The second chapter presents the basics of toxicological chemistry and its relationship to environmental chemistry. Subsequent chapters are grouped by sphere, beginning with the hydrosphere and its**

environmental chemistry, water pollution, sustainability, and water as nature’s most renewable resource. Chapters then describe the atmosphere, its structure and importance for protecting life on Earth, air pollutants, and the sustainability of atmospheric quality. The author explains the nature of the geosphere and discusses soil for growing food as well as geosphere sustainability. He also describes the biosphere and its sustainability. The final sphere described is the anthrosphere. The text explains human influence on the environment, including climate, pollution in and by the anthrosphere, and means of sustaining this sphere. It also discusses renewable, nonpolluting energy and introduces workplace monitoring. For readers needing additional basic chemistry background, the book includes two chapters on general chemistry and organic chemistry. This updated edition includes three new chapters, new examples and figures, and many new homework problems. Atlas of urban geology Vol. 9 Manual on environmental and urban geology of fast growing cities Planet Earth Cosmology, Geology, and the Evolution of Life and Environment *Cambridge University Press* **The next few decades are likely to witness deep environmental crises, crises we will be able to cope with only through a clear understanding of the complex, delicate system of which we are part. Fortunately, the great advances made in all fields of science since World War II make it possible to reconstruct the entire life history of the world we live in, from the Big Bang to the present, and thus to understand how the system works. This book presents a global picture of our world - how it originated, how it evolved, how it works - and provides the background necessary to assess ways to stabilize it. Although the science is rigorous and quantitative, the book is written in an informal style and is readily accessible to anyone with a knowledge of high-school algebra. Fundamentals of Geological and Environmental Remote Sensing Aims to present remote sensing as it applies to environmental monitoring. It features mineral and petroleum remote-sensing. There is a focus on multispectral applications and digital photogrammetry. Ratio codes and brightness codes are included in an appendix. This has reduced the spectra of minerals to simple, one-digit-per-band codes, helping the user select the best bands or ratios to highlight a mineral. Imaging gases, especially methane, have been included. With the book, students can perform elevation extraction from digitized stereo pairs. Case studies appear throughout the text, allowing students to see how remote-sensing is used in petroleum and mining companies. Communicating Environmental Geoscience** *Geological Society of London* **This collection of papers addresses the issues surrounding communication of environmental geoscience. Geologists whose research deals with environmental problems such as landslides, floods, earthquakes and other natural hazards that affect peoples health and safety, must communicate their results effectively to the public, policy makers and politicians. There are many examples of geological studies being ignored in policy and public action; this is in due in part to geoscientists being poor communicators. These papers document issues in communicating environmental geoscience, outline successes and failures through case studies, describes ways in which geoscientists can improve communication skills and show how new methods can make communication more effective. Conveyance and Transfer of Certain Land Tracts Administered by the Department of Energy and Located at Los Alamos National Laboratory Environmental Impact Statement Energy Abstracts for Policy Analysis Impact of Human Activity on the Geological Environment EUROCK 2005 Proceedings of the International Symposium EUROCK 2005, 18-20 May 2005, Brno, Czech Republic** *CRC Press* **This work focuses on the impact of human activity on the geological environment and contains over 100 papers dealing with laboratory and field research investigations in geomechanics, geoengineering and mathematical modelling. Topics covered are grouped into eight main themes: response of the rock mass to human impact; slope stability; field research; laboratory research; stability of underground openings; mathematical modelling; stress measurements, and mineral and rock disintegration. Geologic Studies in Alaska by the U.S. Geological Survey, 1994 Publications of the Geological Survey Environmental Geology Workbook** *Waveland Press* **Environmental geologists use a wide range of geologic data to solve environmental problems and conflicts. Professionals and academics in this field need to know how to gather information on such diverse conditions as soil type, rock structure, and groundwater flow and then utilize it to understand geological site conditions. Field surveys, maps, well logs, bore holes, ground-penetrating radar, aerial photos, geologic literature, and more help to reveal potential natural hazards in an area or how to remediate contaminated sites. This new workbook presents accessible activities designed to highlight key concepts in environmental geology and give students an idea of what they need to know to join the workforce as an environmental geologist, engineering geologist, geological engineer, or geotechnical engineer. Exercises cover: • Preparation, data collection, and data analysis • Descriptive and engineering properties of earth materials • Basic tools used in conjunction with geoenvironmental investigations • Forces operating on earth materials within the earth • Inanimate forces operating on earth materials at the surface of the earth • Human activities operating on earth materials Each activity encourages students to think critically and develop deeper knowledge of environmental geology. Geological Survey Professional Paper Engineering Geology for Infrastructure Planning in Europe A European Perspective** *Springer Science & Business Media* **Geologists and civil engineers related to infrastructure planning, design and building describe professional practices and engineering geological methods in different European infrastructure projects. U.S. Geological Survey Bulletin Geological Survey Circular U.S. Geological Survey Circular General Management Plan Amendment, Development Concept Plan/environmental Assessment Draft : West Unit, Indiana Dunes National Lakeshore, Indiana U.S. Geological Survey Bulletin Geological Survey Professional Papers Utah BLM Statewide Wilderness Environmental Impact Statement : Draft: pts. A-B. South-West Region Utah BLM Statewide Wilderness Environmental Impact Statement: East-Central Region Rock Mechanics for Resources, Energy and Environment** *CRC Press* **This book contains the Proceedings of EUROCK 2013 - The 2013 ISRM International Symposium, which was held on 23-26 September 2013 in Wroclaw, Poland. The Symposium was organized by the ISRM National Group POLAND and the Institute of Geotechnics and Hydrotechnics of the Wroclaw Institute of Technology. The focus of the Symposium was on recent develo Environmental Geology** *Merrill Publishing Company* **Utah BLM Statewide Wilderness Environmental**

Impact Statement: pts. A-B. South-West Region Uinta National Forest: Draft environmental impact statement for the draft land and resource plan Utah BLM Statewide Wilderness Draft EIS Environmental Impact Statement East Bay Municipal Utility District, Supplemental Water Supply Project Environmental Impact Statement Merced Wild and Scenic River: Chapter 9 U.S. Geological Survey Professional Paper California High-speed Train System Environmental Impact Statement Radon And Thoron In The Human Environment - Proceedings Of The 7th Tohwa Univ International Symposium *World Scientific* **Revised Draft Environmental Impact Statement, Flood Control and Related Purposes, South Fork Zumbro River Watershed Rochester, Olmsted County, Minnesota Radon, Health and Natural Hazards** *Geological Society of London* **This volume draws together the final outputs of the five-year UNESCO/IUGS/IGCP Project 571 and presents new data on radon in the built and natural environments, radon as a diagnostic tool of geophysical phenomena, reflections and recommendations on the future of radon research and a critique of radon's asserted use as a therapy. By considering all the aspects of radon as a health hazard and potential indicator of natural hazards, the project brought together the dispersed research (from universities, governmental and non-governmental bodies as well as commercial companies) on radon within an interdisciplinary context to facilitate scientific advancement and understanding. Through the establishment of working groups at regional and local levels and the development of research networks, a variety of international meetings were organized and a number of journal special issues published to disseminate the results. The scale of the project was global: scientists from over 20 European countries, plus countries in the Americas, Asia and the Middle East have been participants of the project. This volume results from UNESCO/IUGS/IGCP Project 571 `Radon, Health and Natural Hazards'. Radon has significant socio-economic relevance in the developed and developing worlds, primarily in terms of the indoor radon hazard but also certain geohazards. This volume presents a broad range of papers including methodological, technological and interpretative aspects, as well as case-study material. This volume results from UNESCO/IUGS/IGCP Project 571 `Radon, Health and Natural Hazards'. This volume presents a broad range of papers including methodological, technological and interpretative aspects, as well as case-study material. Industrial Minerals & Rocks Commodities, Markets, and Uses** *SME* **News, Inc., Portland, OR (booknews.com).**