

## Mineralogy Dexter Perkins

"This book provides educators with strategies for engaging privileged, affluent white students in developing competencies for social justice. The education of such students is not only critical for our society, but also for helping those young people transcend anxiety and cynicism to find meaning and self-confidence as activist allies"--

This student-oriented text is written in a casual, jargon-free style to present a modern introduction to mineralogy. It emphasizes real-world applications and the history and human side of mineralogy. This book approaches the subject by explaining the larger, understandable topics first, and then explaining why the "little things" are important for understanding the larger picture.

This resource manual for college-level science instructors reevaluates the role of testing in their curricula and describes innovative techniques pioneered by other teachers. part I examines the effects of the following on lower-division courses: changes in exam content, format, and environment; revisions in grading practices; student response; colleague reaction' the sharing of new practices with other interested professionals, and more. The book includes a comprehensive introduction, faculty-composed narratives, commentaries by well-known science educators, and a visual index to 100 more refined innovations.

There is a large and growing need for a textbook that can form the basis for integrated classes that look at minerals, rocks, and other Earth materials. Despite the need, no high-quality book is available for such a course. Earth Materials is a wide-ranging undergraduate textbook that covers all the most important kinds of (inorganic) Earth materials. Besides traditional chapters on minerals and rocks, this book features chapters on sediments and stratigraphy, weathering and soils, water and the hydrosphere, and mineral and energy deposits. Introductions to soil mechanics and rock mechanics are also included. This book steers away from the model of traditional encyclopedic science textbooks, but rather exposes students to the key and most exciting ideas and information, with an emphasis on thinking about Earth as a system. The book is written in such a manner as to support inquiry, discovery and other forms of active learning. All chapters start with a short topical story or vignette, and the plentiful photographs and other graphics are integrated completely with the text. Earth Materials will be interesting and useful for a wide range of learners, including geoscience students, students taking mineralogy and petrology courses, engineers, and anyone interested in learning more about the Earth as a system.

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Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9780130620996 .

Discusses minerals and the study of mineral structure, and includes information on the different mineral classifications, their native elements, their physical and chemical characteristics, and where they are located on Earth.

### Mineralogy

The seventh edition of ARCHAEOLOGY reflects the most recent research and changes in the field, while making core concepts easy to understand through an engaging writing style, personalized examples, and high-interest topics. This text pairs two of archaeology's most recognized names, Robert L. Kelly and David Hurst Thomas, who together have over 75 years of experience leading excavations. Important Notice: Media content referenced within the product description or the product text may not be

available in the ebook version.

Introduces mineralogy within a casual, relevant, and accessible approach. Rather than being dry and dull, the book is oriented to the way readers actually learn a new subject. This represents an entirely new approach to the study of mineralogy. Relating mineralogy to everyday life, the book introduces large, understandable topics first, then explains why the "little things" are important to show how minerals fit into the larger picture. Emphasizes petrology, chemistry, and other sciences not normally considered part of mineralogy to place the subject in context. Presents the history and human aspects of mineralogy with individuals and their contributions that provide an historical context. It also provides short, concise mineral descriptions. A valuable introduction to the study of mineralogy for every reader with an interest in the subject.

Introduction to Mineralogy, Third Edition, consolidates much of the material now covered in traditional mineralogy and optical mineralogy courses and focuses on describing minerals within their geologic context. Presenting the important traditional content of mineralogy--including crystallography, chemical bonding, controls on mineral structure, mineral stability, and crystal growth--it provides students with a foundation for understanding the nature and occurrence of minerals. FEATURES Describes in detail physical, optical, and X-ray powder diffraction techniques of mineral study Outlines common chemical analytical methods Provides thorough descriptions of more than 100 common minerals, emphasizing the geologic contexts within which they occur Includes tables and diagrams that help students identify minerals using both physical and optical properties Incorporates numerous line drawings, photographs, and photomicrographs that elucidate complex concepts Introduction to Mineralogy can be packaged with Daniel Schulze's An Atlas of Minerals in Thin Section for use in your course for a nominal additional fee.

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"A concise, straightforward, and balanced presentation of the theory and techniques of optical mineralogy. Design fro students to have a hand in the labratory." --Back cover. The transition from hunting and gathering to food production is one of the most significant developments in all of human prehistory, since it led to profound changes in population, settlement patterns, and technology. The authors examine the process of early animal domestication in the Near East, South Asia, and Europe, focusing on the cultural context of early animal husbandry. MASCA Vol. 6 Supplement

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Discusses rocks and the study of rock, including the different types, how they are formed, where they can be found on Earth, and how they are studied to learn more about the geological history of the Earth.

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