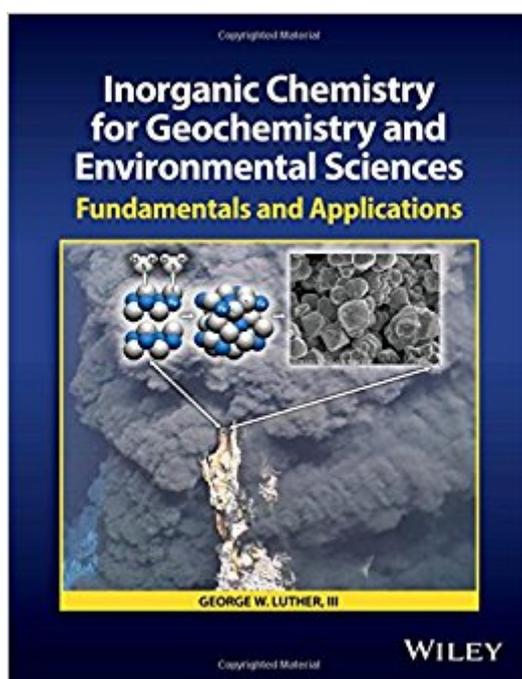


The book was found

# Inorganic Chemistry For Geochemistry And Environmental Sciences: Fundamentals And Applications



## Synopsis

Inorganic Chemistry for Geochemistry and Environmental Sciences: Fundamentals and Applications discusses the structure, bonding and reactivity of molecules and solids of environmental interest, bringing the reactivity of non-metals and metals to inorganic chemists, geochemists and environmental chemists from diverse fields. Understanding the principles of inorganic chemistry including chemical bonding, frontier molecular orbital theory, electron transfer processes, formation of (nano) particles, transition metal-ligand complexes, metal catalysis and more are essential to describe earth processes over time scales ranging from 1 nanosec to 1 Giga-yr. Throughout the book, fundamental chemical principles are illustrated with relevant examples from geochemistry, environmental and marine chemistry, allowing students to better understand environmental and geochemical processes at the molecular level. Topics covered include: Thermodynamics and kinetics of redox reactions Atomic structure Symmetry Covalent bonding, and bonding in solids and nanoparticles Frontier Molecular Orbital Theory Acids and bases Basics of transition metal chemistry including Chemical reactivity of materials of geochemical and environmental interest Supplementary material is provided online, including PowerPoint slides, problem sets and solutions. Inorganic Chemistry for Geochemistry and Environmental Sciences is a rapid assimilation textbook for those studying and working in areas of geochemistry, inorganic chemistry and environmental chemistry, wishing to enhance their understanding of environmental processes from the molecular level to the global level.

## Book Information

Hardcover: 454 pages

Publisher: Wiley; 1 edition (August 1, 2016)

Language: English

ISBN-10: 1118851374

ISBN-13: 978-1118851371

Product Dimensions: 7.6 x 1 x 9.9 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #594,546 in Books (See Top 100 in Books) #68 in Books > Science & Math > Chemistry > Geochemistry #134 in Books > Science & Math > Chemistry > Inorganic #505 in Books > Textbooks > Science & Mathematics > Biology & Life Sciences > Ecology

## Customer Reviews

Inorganic Chemistry for Geochemistry and Environmental Sciences: Fundamentals and Applications discusses the structure, bonding and reactivity of molecules and solids of environmental interest, bringing the reactivity of non-metals and metals to inorganic chemists, geochemists and environmental chemists from diverse fields. Understanding the principles of inorganic chemistry including chemical bonding, frontier molecular orbital theory, electron transfer processes, formation of (nano) particles, transition metal-ligand complexes, metal catalysis and more are essential to describe earth processes over time scales ranging from 1 nanosec to 1 Gigayr. Throughout the book, fundamental chemical principles are illustrated with relevant examples from geochemistry, environmental and marine chemistry, allowing students to better understand environmental and geochemical processes at the molecular level. Topics covered include: Thermodynamics and kinetics of redox reactions Atomic structure Symmetry Covalent bonding, and bonding in solids and nanoparticles Frontier Molecular Orbital Theory Acids and bases Basics of transition metal chemistry including Chemical reactivity of materials of geochemical and environmental interest Supplementary material is provided online, including PowerPoint slides, problem sets and solutions. Inorganic Chemistry for Geochemistry and Environmental Sciences is a rapid assimilation textbook for those studying and working in areas of geochemistry, inorganic chemistry and environmental chemistry, wishing to enhance their understanding of environmental processes from the molecular level to the global level.

[Download to continue reading...](#)

Inorganic Chemistry for Geochemistry and Environmental Sciences: Fundamentals and Applications  
Diffusion, Atomic Ordering, and Mass Transport: Selected Problems in Geochemistry (Advances in Physical Geochemistry)  
Reaction Mechanisms of Inorganic and Organometallic Systems (Topics in Inorganic Chemistry)  
Inorganic and Organometallic Polymers (Special Topics in Inorganic Chemistry)  
Inorganic Geochemistry (Pergamon International Library of Science, Technology, Engineering & Social Studies)  
Environmental Soil Physics: Fundamentals, Applications, and Environmental Considerations  
Environmental Toxicology and Chemistry (Topics in Environmental Chemistry)  
Infrared and Raman Spectra of Inorganic and Coordination Compounds, Applications in Coordination, Organometallic, and Bioinorganic Chemistry  
Infrared and Raman Spectra of Inorganic and Coordination Compounds, Part B: Applications in Coordination, Organometallic, and Bioinorganic Chemistry, 5th Edition  
The Chemistry of Artificial Lighting Devices, Volume 17: Lamps, Phosphors and Cathode Ray Tubes (Studies in Inorganic Chemistry)  
NMR Spectroscopy in Inorganic Chemistry (Oxford Chemistry Primers)  
Introduction to Coordination Chemistry (Inorganic Chemistry: A Textbook Series)  
Environmental and Low Temperature Geochemistry Aqueous

Environmental Geochemistry Principles of Environmental Geochemistry Impounded Rivers: Perspectives for Ecological Management (Environmental Monographs and Symposia: A Series in Environmental Sciences) Environmental Oriented Electrochemistry. Studies in Environmental Sciences, Volume 59 Introduction to Geochemistry: Principles and Applications Principles and Applications of Geochemistry (2nd Edition) Carbonates in Continental Settings, Volume 62: Geochemistry, Diagenesis and Applications (Developments in Sedimentology)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)