



DOWNLOAD



## Environmental and Low Temperature Geochemistry (Paperback)

By Peter Ryan

John Wiley and Sons Ltd, United Kingdom, 2014. Paperback. Condition: New. Language: English . Brand New Book. Environmental and Low-Temperature Geochemistry presents conceptual and quantitative principles of geochemistry in order to foster understanding of natural processes at and near the earth's surface, as well as anthropogenic impacts on the natural environment. It provides the reader with the essentials of concentration, speciation and reactivity of elements in soils, waters, sediments and air, drawing attention to both thermodynamic and kinetic controls. Specific features include: An introductory chapter that reviews basic chemical principles applied to environmental and low-temperature geochemistry Explanation and analysis of the importance of minerals in the environment Principles of aqueous geochemistry Organic compounds in the environment The role of microbes in processes such as biomineralization, elemental speciation and reduction-oxidation reactions Thorough coverage of the fundamentals of important geochemical cycles (C, N, P, S) Atmospheric chemistry Soil geochemistry The roles of stable isotopes in environmental analysis Radioactive and radiogenic isotopes as environmental tracers and environmental contaminants Principles and examples of instrumental analysis in environmental geochemistry The text concludes with a case study of surface water and groundwater contamination that includes interactions and reactions of naturally-derived inorganic substances and introduced organic...



READ ONLINE

[ 7.77 MB ]

### Reviews

*A must buy book if you need to adding benefit. I am quite late in start reading this one, but better then never. Its been designed in an exceptionally easy way in fact it is only after i finished reading this publication where in fact modified me, alter the way in my opinion.*

-- **Prof. London Gerlach**

*This is an amazing publication i actually have at any time go through. It is actually rally interesting through reading through period. Its been developed in an exceptionally straightforward way which is merely following i finished reading through this publication where actually altered me, modify the way in my opinion.*

-- **Noah Padberg**