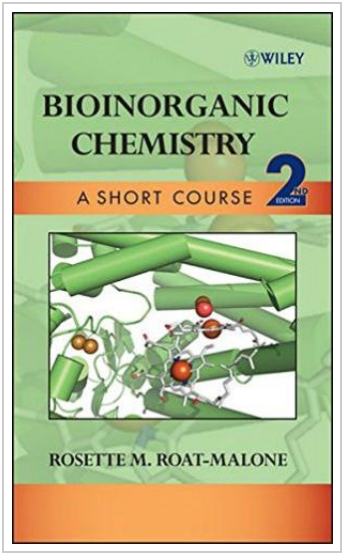

Bioinorganic Chemistry: A Short Course

By Rosette M. Roat-Malone

John Wiley and Sons Ltd, United Kingdom, 2007. Paperback. Book Condition: New. 2nd Revised edition. 231 x 155 mm. Language: English . Brand New Book. An updated, practical guide to bioinorganic chemistry Bioinorganic Chemistry: A Short Course, Second Edition provides the fundamentals of inorganic chemistry and biochemistry relevant to understanding bioinorganic topics. Rather than striving to provide a broad overview of the whole, rapidly expanding field, this resource provides essential background material, followed by detailed information on selected topics. The goal is to give readers the background, tools, and skills to research and study bioinorganic topics of special interest to them. This extensively updated premier reference and text:* Presents review chapters on the essentials of inorganic chemistry and biochemistry* Includes up-to-date information on instrumental and analytical techniques and computer-aided modeling and visualization programs* Familiarizes readers with the primary literature sources and online resources* Includes detailed coverage of Group 1 and 2 metal ions, concentrating on biological molecules that feature sodium, potassium, magnesium, and calcium ions* Describes proteins and enzymes with iron-containing porphyrin ligand systems-myoglobin, hemoglobin, and the ubiquitous cytochrome metalloenzymes-and the non-heme, iron-containing proteins aconitase and methane monooxygenaseAppropriate for one-semester bioinorganic chemistry courses for chemistry, biochemistry, and biology majors, this...

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