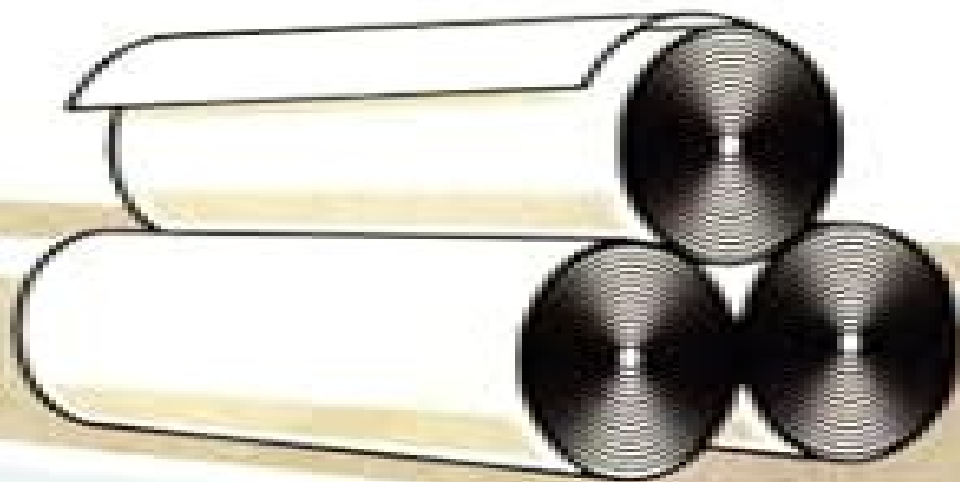


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# THE CHEMISTRY OF PAPER

J. C. Roberts



# The Chemistry Of Paper Rsc Rsc Paperbacks

**John Christopher Roberts**



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Physical Chemistry Calculations is a concise inexpensive introduction to first year chemistry that is aimed at students who are weak in chemistry or have no chemistry on entry to university Such students usually find physical chemistry the most difficult part of the chemistry course and within this section numerical problem solving is an additional difficulty The text should also be invaluable to first year intending chemists This text provides an introduction to physical chemistry and the gas laws followed by chapters on thermodynamics chemical equilibrium electrochemistry and chemical kinetics Each section involves a brief introduction followed by a representative examination question which is broken down into a proposed working method Both short multiple choice questions and related full examination type questions are included This book will prove invaluable to students who need encouragement in a logical approach to problem solving in physical chemistry teaching them to think for themselves when faced with a problem

**Basic Principles of Inorganic Chemistry** Brian Murphy, Clair Murphy, Brian J. Hathaway, 1998 General chemistry textbooks are usually lengthy and present chemistry to the student as an unconnected list of facts In inorganic chemistry emphasis should be placed on the connections between valence shell electron configuration and the physical and chemical properties of the element **Basic Principles of Inorganic Chemistry Making the Connections** is a short concise book that emphasises these connections in particular the chemistry of the Main Group compounds With reference to chemical properties Lewis Structures stoichiometry and spider diagrams students will be able to predict or calculate the chemistry of simple polyatomic compounds from the valence shell configuration and will no longer be required to memorise vast amounts of factual chemistry This book is ideal for students taking chemistry as a subsidiary subject as well as honours degree students

**Polymer Adhesion, Friction, and Lubrication** Hongbo Zeng, 2013-04-01 Specifically dedicated to polymer and biopolymer systems **Polymer Adhesion Friction and Lubrication** guides readers to the scratch wear and lubrication properties of polymers and the engineering applications from biomedical research to automotive engineering Author Hongbo Zeng details different experimental and theoretical methods used to probe static and dynamic properties of polymer materials and biomacromolecular systems Topics include the use of atomic force microscopy AFM to analyze nanotribology polymer thin films and brushes nanoparticles rubber and tire technology synovial joint lubrication adhesion in paper products bioMEMS and electrorheological fluids

*Polymers and the Environment* Gerald Scott, 1999 As environmental performance becomes increasingly important the development of man made polymers and their associated benefits has been overshadowed by problems relating to their ultimate disposal In the light of wider acceptance of polymers for use in high technology applications **Polymers and the Environment** aims to redress the balance The book reviews the properties and industrial applications of polymers and discusses their environmental benefits compared with traditional materials It also addresses the issues of polymer durability recycling processes to aid waste minimization and biodegradable polymers This text is intended to introduce the non specialist reader to the benefits and limitations of polymeric materials from an environmental viewpoint and will prove a useful book for both students and

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