

STUDENT UNIT GUIDE

NEW EDITION



OCR (A)

Chemistry

AS UNIT
F321

Atoms, Bonds and Groups

Mike Smith

- clear revision guidance
- examiner advice
- sample questions and answers

 **PHILIP ALLAN**

Ocr Atoms Bonds And Groups 2014

Janice Smith



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constitute an interesting reading for the experts **Lipids: Structure and Function** P. K. Stumpf, 2014-05-10 The Biochemistry of Plants A Comprehensive Treatise Volume 4 Lipids Structure and Function provides information pertinent to the fundamental aspects of plant lipid biochemistry This book covers a variety of topics including oxidative enzymes glyoxylate cycle lipoxygenases ethylene biosynthesis phospholipids and carotenoids Organized into 19 chapters this volume begins with an overview of the different techniques for use in the analysis of plant lipids This text then outlines the concepts of membrane lipid structure and discusses the relationship between membrane lipid structure and function Other chapters consider the role that lipid structure plays in regulating physiological function This book discusses as well the biochemical mechanism by which the double bond is introduced in the biosynthesis of ethylene The final chapter deals with the results of studies on the biosynthesis of cyclopropanoid cyclopropenoid and cyclopentenyl fatty acids in higher plants This book is a valuable resource for plant biochemists neurobiochemists molecular biologists senior graduate students and research workers *Current Topics in Bioenergetics* D. Rao Sanadi, 2014-11-25 Current Topics in Bioenergetics Volume 3 provides information pertinent to the phenomena associated with biological energy transduction at different levels of sophistication This book discusses the energy linked processes in mitochondria Organized into seven chapters this volume begins with an overview of the core of the mechanism of oxidative phosphorylation This text then explains the basic features of artificial membranes model system and its usefulness in probing membrane phenomena Other chapters consider the thermodynamic and kinetic aspects of active transport of ions and attempt to relate photoreception with the subsequent electrophysiological events This book discusses as well the regulation of respiration by muscular activity and on energy transduction in phototropism and phototaxis The final chapter deals with the mechanism of phototaxis in microorganisms and explains the phenomenon as a translational response of a freely moving organism to a light stimulus This book is a valuable resource for biochemists cell biologists and physiologists

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