**Student Textbooks**

**Life Chemistry & Molecular Biology**
By E J Wood, C A Smith and W R Pickering

"crafted by experienced teachers who know the elements of conveying core information to students, [this book] has the potential to redefine the use of textbooks in teaching biochemistry."

ASRBMF Inc Newsletter

This is a new biology textbook which uses a unique and innovative format, consisting of a series of annotated diagrams with linking text, to make it an ideal study-guide for students as well as a valuable tool for teachers. Each chapter includes further reading suggestions and also examination questions. Biological principles and their application in commercial, medical, ecological and physiological contexts are explained in the book. The text covers information for the newly proposed A-level syllabuses, and is equally useful for undergraduates and students of vocational life-science courses.

**Contents:**
Life Chemistry and the Ecosystem; Biological Molecules; Enzymes; Obtaining Energy; Using Metabolic Energy; DNA: Dealing with Information; Molecular Biology and Applied Biochemistry


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**Glossary of Biochemistry and Molecular Biology**
By D M Glick

"it will make a welcome addition to the reference shelf."

SEEP Newsletter

Glossary of Biochemistry and Molecular Biology compiles nearly 3000 terms and gives succinct definitions to assist those who wish to converse with biochemists or molecular biologists in their native tongue! Some of the terms appear only in earlier literature, some are very current, some are common terms invested with new meanings, some are lab jargon.

References are included with many of the entries, to assist the reader in searching for additional information. These citations, frequently review articles, are offered as a convenient introduction to the literature on the subject. The glossary should be of interest to undergraduate and post-graduate students, to new researchers and to other professions having to interface with modern biochemistry or molecular biology.


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**Basic Chemistry for the Biological Sciences:**
A Self-Directed Study Aid
Edited by C Wynn

This study aid has been designed, after undergoing extensive trials, to help students studying biology with fundamental chemistry. The study aid is arranged in the form of graded questions, with the answers at the end of each section. Questions based directly on biological examples are included, so that the connections and relevance to biology can be appreciated. Students studying A-level biology and those taking vocational science courses, as well as, undergraduate students in the biological sciences and the allied health sciences will find this guide invaluable.

**Contents:**
Atomic Structure and Bonding; Chemical Equilibrium; Acids and Bases - pH- Buffers; Rate of Reaction; Oxidation and Reduction; Basic Organic Chemistry; Ring Compounds; Supplementary reading; Index

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AVZ/0397/3
Edited by F A Stephenson, University of London and A J Turner, University of Leeds.

Frontiers in Neurobiology No. 3
This book concerns all aspects of amino acid neurotransmission in the brain. It covers an integrated approach to inhibitory and excitatory neurotransmission including release of the transmitter, receptor subtypes - molecular pharmacology and molecular biology, inactivation via uptake systems and their involvement in disease processes. The book is written by international authorities in each field giving up-to-date information in a fast moving area.

Amino Acid Neurotransmission includes both pre and post synaptic mechanisms.

Contents: Perspective, A J Turner and F A Stephenson; Neurotransmitter release mechanisms, D G Nicholls and J Sánchez-Prieto; Structure, function and regulation of sodium coupled neurotransmitter transporters, B I Kanner; Electrophysiology of GABA_A receptors, T G Smart; Molecular structure of GABA_A receptors, F A Stephenson; The inhibitory glycine receptor, C-M Becker and D Langosch; Metabotropic glutamate receptors, J M Henley, R Burton and S A Richmon; Non-N-methyl-D-aspartate (NMDA) glutamate receptors: molecular properties, R J Wenthold and R S Petralia; Molecular biology of N-methyl-D-aspartate (NMDA)-type glutamate receptors, P J Whiting and T Priestley; Receptor regulation by phosphorylation, L Raymond; Excitatory amino acids and neurodegeneration, A M Palmer; Long term potentiation in the hippocampus, Z I Bashir.

1 85578 080 1 Hard May 1997 250 pages €65.00/US$110.50

Edited by C D McCaig, University of Aberdeen.

Frontiers in Neurobiology No. 2
This book considers in detail mechanisms underlying nerve growth and guidance. There is considerable coverage of intracellular second messenger involvement, both in guiding growth and collapse of growth cones. All those interested in developmental neurobiology in general, and nerve guidance in particular from senior undergraduate level through to research levels will find this book extremely useful.

1 85578 085 2 Hard May 1996 180 pages €65.00/US$110.50

Edited by A J Turner, University of Leeds.

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