Heterocyclic Chemistry At A Glance, 2nd Edition
John A. Joule, Keith Mills

**DESCRIPTION**

This expanded second edition provides a concise overview of the main principles and reactions of heterocyclic chemistry for undergraduate students studying chemistry and related courses. Using a successful and student-friendly "at a glance" approach, this book helps the student grasp the essence of heterocyclic chemistry, ensuring that they can confidently use that knowledge when required. The chapters are thoroughly revised and updated with references to books and reviews; extra examples and student exercises with answers online; and color diagrams that emphasize exactly what is happening in the reaction chemistry depicted.

**ABOUT THE AUTHOR**

Professor Emeritus John Joule, Chemistry Department, The University of Manchester, UK

Professor Joule worked for 41 years at the University of Manchester before being appointed Professor Emeritus in 2004. Sabbatical periods were spent at the University of Ibadan, Nigeria, Johns Hopkins Medical School, Department of Pharmacology and Experimental Therapeutics, and the University of Maryland, Baltimore County. He was William Evans Visiting Fellow at Otago University, New Zealand. He has taught many courses on heterocyclic chemistry to industry and academe in the UK and elsewhere. He is currently Associate Editor for *Tetrahedron Letters*, Scientific Editor for *Arkivoc*, and Co-Editor of the annual *Progress in Heterocyclic Chemistry*. He is co-author with Keith Mills of the leading textbook in the field, *Heterocyclic Chemistry* (Wiley, 5th Edition 2010).
Dr Keith Mills, Independent Consultant, UK

Dr Mills worked in Medicinal Chemistry and Development Chemistry departments of GlaxoSmithKline for a total of 25 years. Since leaving GSK he has been an independent consultant to small pharmaceutical companies. Dr. Mills has worked in several areas of medicine and many areas of organic chemistry, but with particular emphasis on heterocyclic chemistry and the applications of transition metal-catalysed reactions. With John Joule he is co-author of the leading textbook in the field, *Heterocyclic Chemistry* (Wiley, 5th Edition 2010).

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**NEW TO EDITION**

- 2nd edition is much expanded – an additional 100 pages allows a more thorough treatment of key concepts and the inclusion of extra examples, including heterocycles used in electronics, plastics, polymers, dyestuffs and pigments

- Colour is used in chemical schemes to highlight those parts of products (or intermediates) where a change in structure or bonding has taken place, facilitating comprehension and understanding of the chemical changes that are occurring.

- Now includes references to key papers and reviews

- Student Exercises for each chapter

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**FEATURES**

- Contains all the key principles required to gain a solid understanding of heterocyclic chemistry

- Presented in a highly graphical way to aid assimilation, understanding and recall.

- Structured presentation, with self contained double page spreads of linked text and illustrations, guides the student through the information in a way that complements bigger textbooks & provides a logical framework to aid revision

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**SERIES**

Chemistry At a Glance