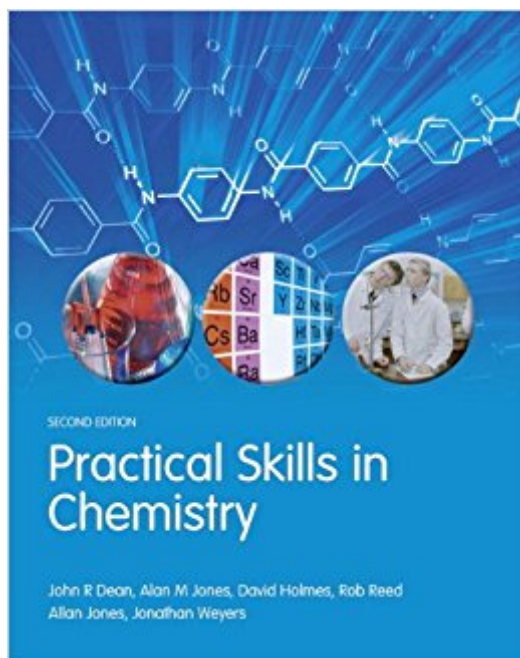


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Practical Skills In Chemistry (2nd Edition)



Synopsis

Designed specifically to support and develop the complete range of practical skills which are essential to success in chemistry courses. 'One-stop' guide to the key practical skills needed in chemistry. Information presented in a clear and user-friendly manner, tailored directly for the mastery of basic laboratory skills. Numerous margin tips and hints, 'how to' boxes, checklists and worked examples. Guidance on numerical aspects, including logarithms and statistics. Chapters grouped into key topics. Relevant Internet resources for chemistry highlighted. Worked examples and 'How To' boxes provide practical guidance and support. Key points highlight critical features of methodology.

Book Information

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"Any undergraduate who could develop all of the skills in this book would make a fine chemist. [...] it is my view that a book of this type should be primarily for students - after all, skills development should be a personal mission for undergraduate students, and I would recommend any of mine to have a copy of this book on their bookshelf." - David Smith, Chemistry World

If you are studying chemistry, or a chemistry-related course, then this book will be an indispensable companion throughout your entire degree programme. This 'one-stop' text will guide you through the wide range of practical, analytical and data handling skills that you will need during

your studies. It will also give you a solid grounding in wider transferable skills such as teamwork, using information technology, communicating information and study skills. This book gives invaluable help with these areas, from reporting practical and project work to using spreadsheets and organising poster displays. This second edition of Practical Skills in Chemistry builds upon the excellent foundation of its predecessor and provides an easy-to-read guide to help you develop the skills you need to succeed. It retains the key features of the first edition, with a layout that explains the essential elements of practical techniques and procedures in a step-by-step manner to help you understand their application in the context of chemistry. This text's unique and comprehensive coverage includes: general advice on practical work; classical and instrumental techniques; analysis and presentation of data; information technology; library resources; communicating information; and study skills. Features include: 'One-stop' guide to the key practical skills needed in chemistry. Information presented in a clear and user-friendly manner, tailored directly for the mastery of basic laboratory skills. Numerous margin tips and hints, 'how to' boxes, checklists, worked examples and study exercises. Guidance on numerical aspects, including logarithms and statistics. Chapters grouped into key topics. Relevant Internet resources for chemistry highlighted. Practical Skills in Chemistry is an indispensable book for undergraduate students in chemical sciences and a useful primer for post-graduate students. It is also a valuable resource for teachers in secondary schools. John R Dean is Professor in Analytical and Environmental Sciences, Alan M Jones was Head of Chemical Sciences and David Holmes is a Principal Lecturer in the School of Life Sciences, all at the University of Northumbria at Newcastle. Rob Reed is the Pro Vice Chancellor (Teaching and Learning) at Central Queensland University, Australia and Allan Jones and Jonathan Weyers are Senior Lecturers at the University of Dundee.

An excellent undergraduate reference text for the first four semesters and a keeper for the rest of your degree. Wish there was a version that included all the chem and biochem differing materials in a single book.

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