



Organic Chemistry Survival Learning Manual: A Student's Guide to Techniques, 11th Edition

James W. Zubrick

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DESCRIPTION

Teaches students the basic techniques and equipment of the organic chemistry lab — the updated new edition of the popular hands-on guide.

The Organic Chem Lab Survival Manual helps students understand the basic techniques, essential safety protocols, and the standard instrumentation necessary for success in the laboratory. Author James W. Zubrick has been assisting students navigate organic chemistry labs for more than three decades, explaining how to set up the laboratory, make accurate measurements, and perform safe and meaningful experiments. This practical guide covers every essential area of lab knowledge, from keeping detailed notes and interpreting handbooks to using equipment for chromatography and infrared spectroscopy.

Now in its eleventh edition, this guide has been thoroughly updated to cover current laboratory practices, instruments, and techniques. Focusing primarily on macroscale equipment and experiments, chapters cover microscale jointware, drying agents, recrystallization, distillation, nuclear magnetic resonance, and much more. This popular textbook:

- Familiarizes students with common lab instruments
- Provides guidance on basic lab skills and procedures
- Includes easy-to-follow diagrams and illustrations of lab experiments
- Features practical exercises and activities at the end of each chapter

- Provides real-world examples of lab notes and instrument manuals

The Organic Chem Lab Survival Manual: A Student's Guide to Techniques, 11 th Edition is an essential resource for students new to the laboratory environment, as well as those more experienced seeking to refresh their knowledge.

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