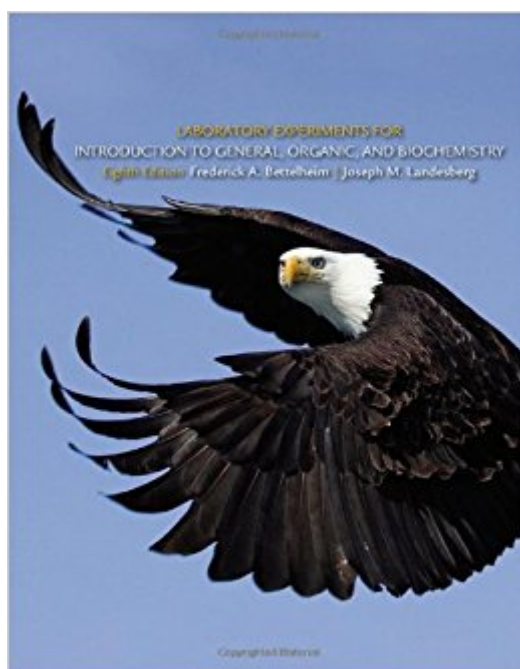


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Laboratory Experiments For Introduction To General, Organic And Biochemistry



Synopsis

The 48 experiments in this well-conceived manual illustrate important concepts and principles in general, organic, and biochemistry. As in previous editions, three basic goals guided the development of all the experiments: (1) the experiments illustrate the concepts learned in the classroom; (2) the experiments are clearly and concisely written so that readers will easily understand the task at hand, will work with minimal supervision because the manual provides enough information on experimental procedures, and will be able to perform the experiments in a 2-1/2 hour laboratory period; and (3) the experiments are not only simple demonstrations, but also contain a sense of discovery. This edition includes many revised experiments and two new experiments.

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Frederick Bettelheim was a distinguished university research professor at Adelphi University and a visiting scientist at the National Eye Institute. He co-authored seven editions of INTRODUCTION TO GENERAL, ORGANIC, AND BIOCHEMISTRY, ORGANIC CHEMISTRY, and several Laboratory Manuals. He is also the author of EXPERIMENTAL PHYSICAL CHEMISTRY and co-author of numerous monographs and research articles. Professor Bettelheim received his Ph.D. from the University of California, Davis. Joseph M. Landesberg is a professor in the Department of Chemistry at Adelphi University. He came to Adelphi University in the fall of 1966. Prior to that, he was at Columbia University where he took a postdoctoral position with Professor Gilbert Stork. He received his Ph.D. from Harvard University, where he wrote his thesis under the guidance of Professor Roy A. Olofson. Dr. Landesberg did his undergraduate work at Rutgers University.

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It has tear out pages for turning in the lab assignments- the publisher's way of making it so that you can't resell? (I photocopies the assigned lab sheets and turned in the copies so I could resell the book.) There are 40 experiments- far too many for any 1 or 2 semester course. The experiments are laid out step by step and include a material list for each activity. However, the explanations and background for each activity are often lacking. Additionally, many of the labs are set up so that it is difficult to complete all activities within the time constraints of a 1.5 hour lab (when you factor in set up and clean up). They would do better to include fewer experiments and better explanations. Another note: the softcover book is so thick you cannot put it in a binder, even though the entire book is bound hole punched. I don't think it stacks up as well as Pearson.

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