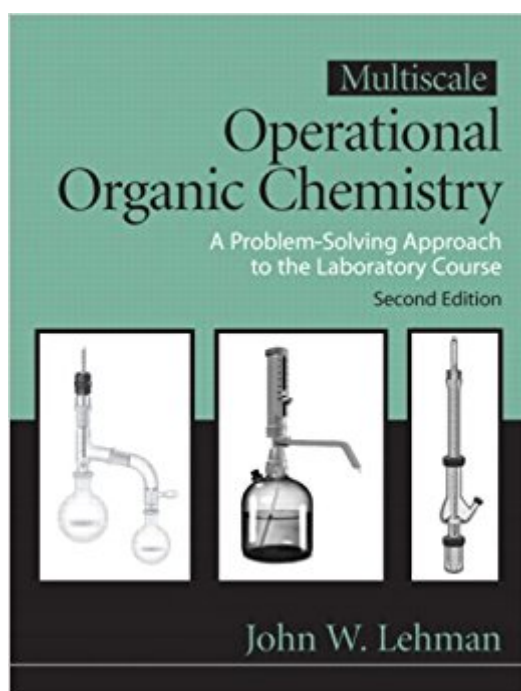


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# Multiscale Operational Organic Chemistry: A Problem Solving Approach To The Laboratory Course, 2nd Edition



## Synopsis

This comprehensive laboratory text provides a thorough introduction to all of the significant operations used in the organic lab and includes a large selection of traditional-scale and microscale experiments and minilabs. Its unique problem-solving approach encourages students to think in the laboratory by solving a scientific problem in the process of carrying out each experiment. The Second Edition contains a new introductory section, "Chemistry and the Environment," which includes a discussion of the principles of green chemistry. Several green experiments have been added, and some experiments from the previous editions have been revised to make them greener.

## Book Information

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## Customer Reviews

John W. Lehman received his Ph.D. in chemistry from the University of Colorado in Boulder. He has taught chemistry for 35 years at Lake Superior State University, a small university in Michigan's scenic Upper Peninsula. In recognition of his teaching skills, he received the State of Michigan's Teaching Excellence Award in 1990. In 2001 he funded a chemistry scholarship to help bring outstanding students into the chemistry program at Lake Superior State University. His groundbreaking lab text, *Operational Organic Chemistry*, was first published in 1981, and he has written three additional books for the organic chemistry laboratory.

The arrangement of the text is that it presents a problem for each experiment, then walks you

through what you're going to do. This nicely adds perspective to organic chemistry. This version was a little dated for my class (the experiments were conducted differently), but the basic premise remained the same. There is a large section dedicated to lab techniques referenced throughout the experiments so that you aren't lost. Additional problems at the ends of each experiment help you think critically. Overall, I'm very satisfied with this text, though I have not read any other organic chemistry lab textbooks.

Initially confusing but I learned quickly that it pays to read it ahead of time and actually google youtube videos of people performing the experiment so you wouldn't waste time in the lab.

Same as the hardcover edition. Get a roll of that clear adhesive laminate stuff from an office store and cover it for durability

The book I received appeared to have had water damage in the past and was allowed to dry out.

Love the this lab manual. Learned a lot from it. Some of the directions were hard to follow for microscale experiments but other than that its a solid lab tool. Gotta love those operations in the back.

I bought this book. I understand the O-Chem with this book. I don't know if I like that or not. It's like throwing your mind into a deep void and never getting it back.

no choice

The book looks really new!The deliver is so fast!! really appreciate it!Thank you a lot!! really really like it!

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