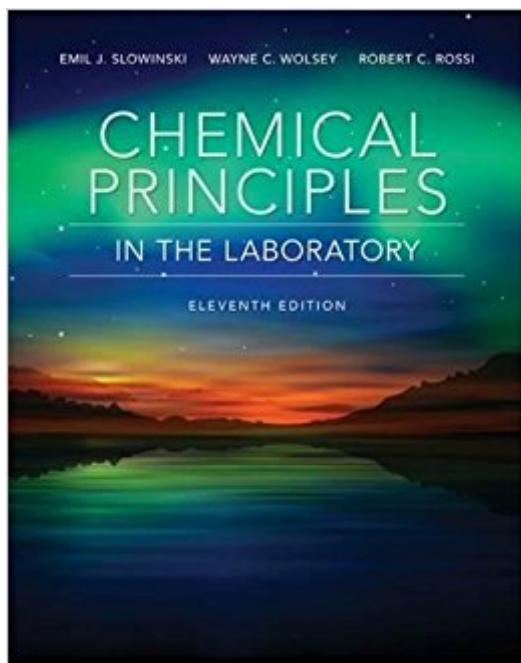


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# Chemical Principles In The Laboratory



## Synopsis

Succeed in chemistry with CHEMICAL PRINCIPLES IN THE LABORATORY, Eleventh Edition! Clear, user-friendly, and direct, this lab manual provides you with the tools you need to successfully complete lab experiments and lab reports. Analyzing the data you observe in lab sessions is easy with the manual's numerous Advance Study Assignments that give you extra practice with processing data through sample questions. In addition, a special section shows you how to use Excel to simplify making calculations.

## Book Information

Spiral-bound: 400 pages

Publisher: Brooks Cole; 11 edition (January 1, 2015)

Language: English

ISBN-10: 1305264436

ISBN-13: 978-1305264434

Product Dimensions: 8.4 x 0.6 x 10.6 inches

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars 8 customer reviews

Best Sellers Rank: #34,271 in Books (See Top 100 in Books) #1 in Books > Science & Math > Chemistry > Safety #6 in Books > Science & Math > Chemistry > Clinical #202 in Books > Science & Math > Chemistry > General & Reference

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Emil J. Slowinski is an Emeritus DeWitt Wallace Professor of Chemistry at Macalester College. He earned a B.S. degree from Massachusetts State College in 1946 and a Ph.D. in physical chemistry from the Massachusetts Institute of Technology in 1949. He taught at Swarthmore College, 1949-1952; the University of Connecticut, 1952-1964; and Macalester College, 1964-1988. His sabbatical leaves were at Oxford University in 1960 and the University of Warsaw in 1968. He is a co-author, with Bill Masterton and/or Wayne Wolsey, of more than 25 books on various areas of general chemistry. He was actively involved in all editions of **CHEMICAL PRINCIPLES IN THE LABORATORY** up through the 9th edition, and though now retired from active writing still offers insights, advice, and support to his coauthors. Wayne C. Wolsey, an inorganic chemist, received his B.S. from Michigan State University in 1958 and his Ph.D. from the University of Kansas in 1962. He joined the Macalester College faculty in 1965 and is now in "semi-retirement." His last three sabbaticals were spent at the Oak Ridge National Laboratory. In 2001-2002, he investigated various complexing agents for their effectiveness in dissolving calcium oxalate kidney stones, in collaboration with a former student, now a urologist. He has received various awards, including the Minnesota College Science Teacher of the Year in 1989; Macalester's Thomas Jefferson Award in 1993; designation as a MegaMole contributor to Minnesota Chemical Education in 1997; and an award from the Minnesota State AAUP Conference in 2001 for his support of academic freedom and shared governance. He remains professionally active in a number of scientific organizations. Robert C. Rossi is the Laboratory Supervisor in the Chemistry Department at Macalester College. He obtained a B.S. degree in chemical engineering from the University of Wisconsin - Madison in 1993 and upon graduation joined the Peace Corps, serving in the Fiji Islands. He then taught and carried out applied photoelectrochemistry and semiconductor physics

research at the California Institute of Technology, earning a Ph.D. in 2001. After several years teaching as a visiting professor at Carleton College, he moved to Macalester College, where he has been since 2003. In 2011 he became a co-author of Chemical Principles in the Laboratory, first writing for the 10th Edition.

This book was instrumental in helping me through my Chem 1B class. It is well-explained for non-science people like me. I found myself flipping to the glossary and index often, which were well organized. I also appreciate that there is an "answers" section in the back.

Book arrived early and exactly as promised.

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It was so good as I expected, 100 satisfied

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