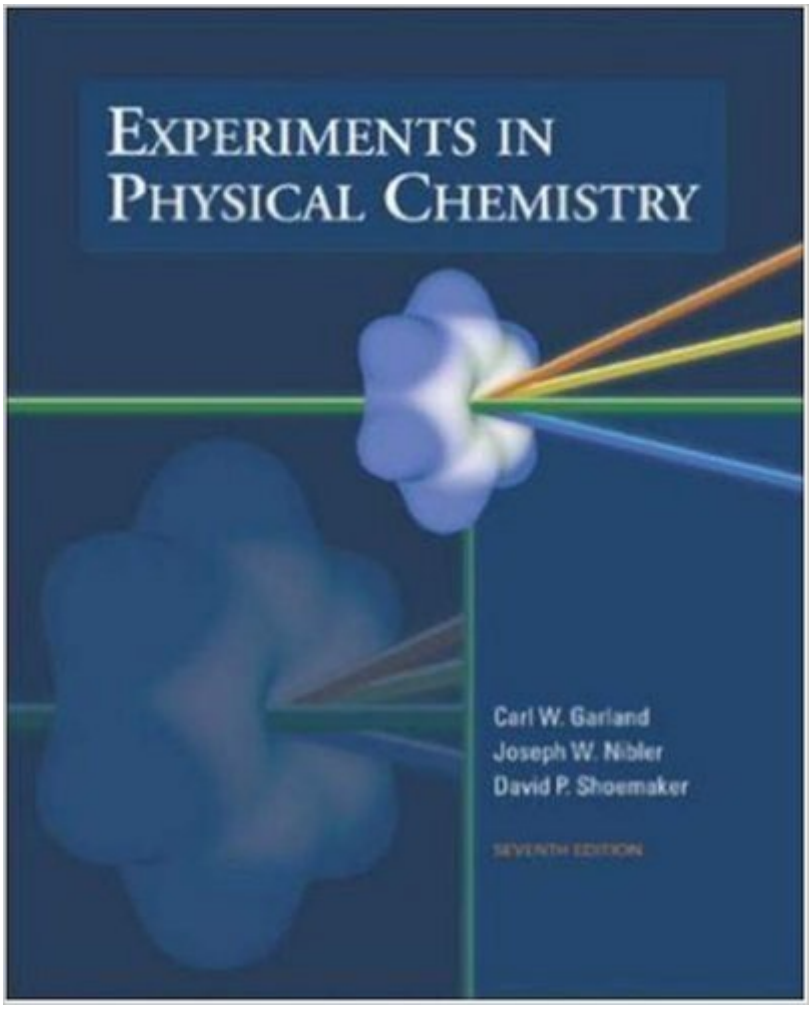
# Experiments In Physical Chemistry



## Synopsis

This best-selling comprehensive lab textbook includes experiments with background theoretical information, safety recommendations, and computer applications. Updated chapters are provided regarding the use of spreadsheets and other scientific software as well as regarding electronics and computer interfacing of experiments using Visual Basic and LabVIEW. Supplementary instructor information regarding necessary supplies, equipment, and procedures is provided in an integrated manner in the text.

## Book Information

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## Customer Reviews

One of the most comprehensive physical chemistry lab text, SGN discusses about calculations and presentation of data, uncertainties in data and results, background and theory for each experiment. Experimentals are extremely clear and detailed, though individual instructors might develop modifications. The uncertainties section might be supplemented by John Taylor’s "Introduction to Error Analysis" for more in-depth reference.Experiments are groups into topics like Gases, Transport Properties of Gases, Solutions, Electrochemistry, Kinetics, and Spectroscopy, etc. The text also devotes incredible amount of pages on electronic devices, vacuum techniques, instruments and lab procedures for reference. Many lab texts are published, yet SGN might be the best for students.

As a student taking p-chem lab and now as a teaching assistant on the other side of the desk, I’ve come to greatly appreciate this text. It is well written and easy for students to grasp. The instructions

are complete and sufficient background is provided for the students to understand not only what they are to do but also why they are to do it. Granted, not all students will find it sufficient, but there are generous references within the text to point these students in the direction of more complete treatments of the specific point in question. Overall, it is a very highly recommended text.

Like my professor said, this book is more than just a reference for the experiments we do in class. This book also breaks down how to write a lab report and shows an example with the explanation. Although, some of the calculation instructions are not clear. Overall, this is a good book for p-chem.

This is designed as a series of experiments for the physical chemistry lab, with a little bit of exposition to describe the principles explored in each lab exercise. Paired with a good pchem textbook, this thing can be really useful.

I felt the book did a great job explaining the labs from the perspective of the applications to the PChem theory learned in other classes.This book lacks good explanations of theory, so hold onto your pchem text if you need this book for a class!!!

had to buy it for a class. but does not fully explain all the terms it uses in the book had to search the internet to find them out.

Has a lot of theory and apparatus for performing lab and writing reports. Would use this as a reference rather than looking online and risking plagiarism

The book works well enough. The mathematics and theory explaining is good although the experiment details and question clarity is somewhat lacking.

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