



Laboratory Manual for Principles of General Chemistry

By Jo Allan Beran

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This remarkably popular lab manual has won over users time and time again with its exceedingly clear presentation and broad selection of topics and experiments. Now revised and fine-tuned, this new Seventh Edition features three new experiments: Water Analysis: Solids (Experiment 3); Vitamin C Analysis (Experiment 16); and Hard Water Analysis (Experiment 30). In addition, nearly 90% of the Prelaboratory Assignment Questions and Laboratory Questions are either new or revised.

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Editorial Review

From the Back Cover

Get your hands on the chemical world!

Through six previous editions, Jo Beran's LABORATORY MANUAL FOR PRINCIPLES OF GENERAL CHEMISTRY has consistently excelled in the laboratory. This remarkably popular lab manual has won over users time and time again with its exceedingly clear presentation and broad selection of topics and experiments.

Now revised and fine-tuned, this new Seventh Edition features three new experiments: Water Analysis; Solids (Experiment 3); Vitamin C Analysis (Experiment 16); and Hard Water Analysis (Experiment 30). In addition, nearly 90% of the Preliminary Assignment Questions and Laboratory Questions are either new or revised.

Learn fundamental chemical principles: Preliminary Assignment Questions emphasize the chemical principles presented in the Introduction of the experiment. Representative calculations, data analysis, and points of emphasis required for the completion of the Experimental Procedure are also addressed in the Preliminary Assignment.

Master basic laboratory techniques: Lab techniques are covered in the front of the manual. Technique icons in the margins of the text indicate the time and situation to apply the appropriate technique.

Explore "what if" scenarios: Laboratory Questions focus on the "what if" of nearly every part of the Experimental Procedure. These questions promote a deeper understanding of the experiment and where the chemical principles can be used for interpreting unexpected data or "turning points" in the experiment.

Be aware of immediate safety procedures: Safety icons indicate safety cautions and provide information regarding the correct disposal of test solutions.

Users Review

From reader reviews:

Kimberly Rubio:

As people who live in typically the modest era should be up-date about what going on or data even knowledge to make all of them keep up with the era which is always change and progress. Some of you maybe will update themselves by reading books. It is a good choice for you but the problems coming to you actually is you don't know what one you should start with. This Laboratory Manual for Principles of General Chemistry is our recommendation to cause you to keep up with the world. Why, because this book serves what you want and want in this era.

Karen Johnson:

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