

Beran General Chemistry Lab Manual Solutions

A two-term manual for General Chemistry This supplementary manual focuses on chemical principles and techniques. The Laboratory Manual for Principles of General Chemistry, tenth edition, provides a broad scope of experiments coupled with a clear layout for ease of use. The manual delivers material for two or three course terms. It also assists chemistry students in knowing how to time various techniques in the lab environment. The companion manual is organized into topic sections, such as Chemical and Physical Properties; Atomic and Molecular Structure; Gases; and Solutions.

This updated and revised chemistry manual provides a well rounded understanding of concepts in the general chemistry laboratory. Utilising visual aids, experiments and equipment are explained and results and their pertinence discussed.

"This new edition of the Beran lab manual emphasizes chemical principles as well as techniques. The manual helps students understand the timing and situations for the various techniques. The Beran lab manual has long been a market leading lab manual for general chemistry. Each experiment is presented with concise objectives, a comprehensive list of techniques, and detailed lab intros and step-by-step procedures"--

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Laboratory Manual for Principles of General Chemistry
John Wiley & Sons

This collection of challenging experiments will help get readers up to speed on laboratory techniques, safety and experimental procedures. Each experiment is presented with concise objectives, a comprehensive list of techniques, and detailed lab intros and step-by-step procedures. Beran also integrates numerous Dry Labs, experiments that do not involve chemicals but reinforce the reader's knowledge of general chemistry topics such as nomenclature, oxidation numbers, and atomic and molecular structure.

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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