

Chemistry in Quantitative Language: Fundamentals of General Chemistry Calculations

By Christopher Oriakhi



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Problem-solving is one of the most challenging aspects students encounter in general chemistry courses leading to frustration and failure. Consequently, many students become less motivated to take additional chemistry courses after the first year. This book deals with calculations in general chemistry and its primary goal is to prevent frustration by providing students with innovative, intuitive, and systematic strategies to problem-solving in chemistry. The material addresses this issue by providing several sample problems with carefully explained step-by-step solutions for each concept. Key concepts, basic theories, and equations are provided and worked examples are selected to reflect possible ways problems could be presented to students.



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Editorial Review

Review

"This book provides students with innovative, intuitive and systematic strategies to master problem-solving in chemistry...A valuable guide to solving chemcial equations and calculations based on chemical equations."--*Chemistry World*

"A good supplement for any general chemistry course. It differs from the normal book in that the descriptive commentary is kept to a minimum, while the numerical problem-solving pieces are kept simple and methodical. Recommended."--Choice

About the Author

Dr. Chris Oriakhi is a chartered chemist and a fellow of the Royal Society of Chemistry. He has taught and practiced chemistry at the high school and college level for almost 30 years. He is currently a senior member of the technical staff at Hewlett-Packard Company practicing industrial chemistry.

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