

## Fundamentals of Analytical Chemistry, (Ninth Edition)



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### ***Reviews***

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***(Maribel Kerluke)***

## FUNDAMENTALS OF ANALYTICAL CHEMISTRY, (NINTH EDITION)

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Brooks Cole/Cengage Learning India, 2014. Softcover. Book Condition: New. 5th or later edition. Spreadsheet exercises and problems are integrated into the examples and end-of-chapter material in appropriate chapters to enhance student learning. The accompanying spreadsheet supplement, EXCEL® APPLICATIONS FOR ANALYTICAL CHEMISTRY, 2e, helps students learn spreadsheets in the context of analytical applications. Thought-provoking and research-oriented "Challenge" problems at the end of each chapter based on data from the literature, current topics of interest, and information accessible on the Internet engage students with today`s hot topics. The art program features Microsoft® Excel® screenshots, techniques, procedures, and applications with descriptive captions that visually reinforce student understanding. Exclusive photographs taken by renowned chemistry photographer Charlie Winters make it easier for students to understand key principles and processes. Each chapter begins with an application-type photograph and an accompanying relevant and interesting story. Feature boxes throughout the text cover a wide range of topics, including descriptions of Breath Alcohol Analyzers, Lap-on-a-Chip Technology, Modified Electrodes, Enzymatic Determination of Urea, GC/MS, C/MS, LC/MS/MS, and Capillary Electrophoresis in DNA Sequencing. Molecular models, used liberally in most chapters, stimulate interest in the beauty of molecular structures and reinforce structural concepts and descriptive chemistry presented in general chemistry and upper-level courses. A wide spectrum of applications, including developments in biology, medicine, and environmental science, illustrates the exciting nature of the field and enhances the relevancy of the material. All chapters have been rewritten for Excel 2010 (or 2007). A new Chapter 29 on Mass Spectrometry incorporates atomic mass spectrometry (formerly in Chapter 28) with new material on molecular mass spectrometry. New end-of-chapter problems have been added. All examples are now titled for easy reference. New Feature Boxes appear throughout, such as Feature 14-4 on the Master Equation. Approach. Chapter 17 has a new section on Precipitation Titrations. In Chapter 25,...

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