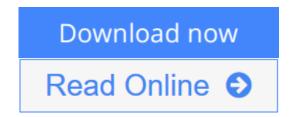


## **Chemistry: The Central Science : Laboratory Experiments**

By John Nelson, Kenneth Kemp, Theodore L. Brown, Eugene H. Lemay, Bruce E. Bursten



**Chemistry: The Central Science : Laboratory Experiments** By John Nelson, Kenneth Kemp, Theodore L. Brown, Eugene H. Lemay, Bruce E. Bursten

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#### From the Publisher

This text fosters a conceptual understanding of chemical properties and principles. The authors present all of the information as a coherent package with clear, logical treatments of key topics and smooth transitions between sections and chapters. The periodic table and periodicity are used throughout as a unifying theme and as a framework on which to build greater understanding of chemical behavior and trends. Problem-solving is emphasized as a vehicle to a deeper understanding of principles rather than simply as an activity in formula memorization.

#### From the Back Cover

This is a beautifully presented and well-written general chemistry book. It offers a "thinking" or "conceptual" approach to problem solving in the world of chemistry. Effective, vibrant, and pedagogically sound illustrations helps to visualize chemical concepts. Computer-rendered graphics illustrate the relationship between the seen (macroscopic) and the unseen (atomic and molecular) chemical world. The illustrations establish a visual connection between the written descriptions of chemical phenomena and how the processes occur.

#### About the Author

**JOHN MCMURRY**, educated at Harvard and Columbia, has taught approximately 17,000 students in general and organic chemistry over a 30-year period. A Professor of Chemistry at Cornell University since 1980, Dr. McMurry previously spent 13 years on the faculty at the University of California at Santa Cruz. He as received numerous awards, including the Alfred P. Sloan Fellowship (1969-71), the National Institute of Health Career Development Award (1975-80), the Alexander von Humboldt Senior Scientist Award (1986-87), and the Max Planck Research Award (1991).

ROBERT C. FAY, Professor of Chemistry at Cornell University, has been teaching general and inorganic chemistry at Cornell since 1962. Known for his clear, well-organized lectures, Dr. Fay was the 1980 recipient of the Clark Distinguished Teaching Award. He has also taught as a visiting professor at Harvard University and at the University of Bologna (Italy). A Phi Beta Kappa graduate of Oberlin College, Fay received his Ph.D. from the University of Illinois. He has been an NSF Science Faculty Fellow at the University of East Anglia and the University of Sussex (England) and a NATO/Heineman Senior Fellow at Oxford University.

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