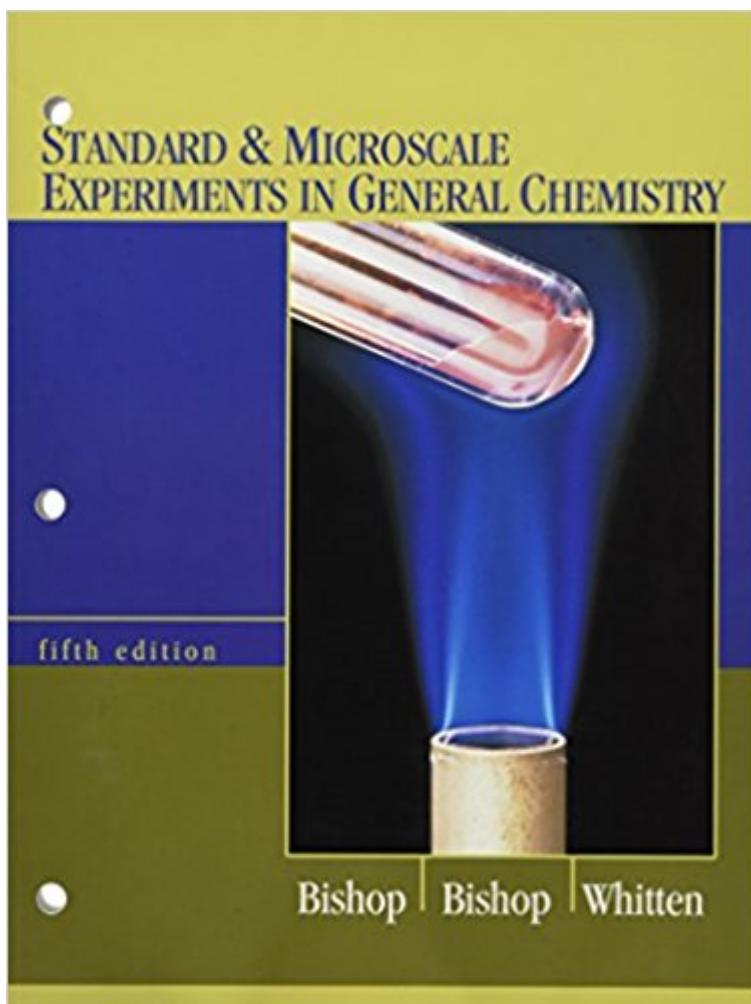


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Standard And Microscale Experiments In General Chemistry



Synopsis

This comprehensive lab manual contains a wide array of experiments without sacrificing organizational clarity and includes categories on Energy, Kinetics, and Equilibrium. All experiments have undergone significant testing before being finalized, and many microscale experiments have been added to allow for more efficient and cost-effective means of conducting experiments.

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Wintergreen. Experiment 41. Polymers. Experiment 42. Preparation and Properties of Soaps: Properties of Detergents. Appendix A: Logarithms and pH. Appendix B: Formulas, Ionic Charges and Names for Some Common Ions. Appendix C: Classification of Acids. Appendix D: Classification of Bases. Appendix E: Solubility Rules for Common Inorganic Compounds. Appendix F: Vapor Pressure of Water Near Room Temperature. Appendix G: Molecular and Ionic Chemical Equations. Appendix H: Concentrations and Primary Standards. Appendix I: Units of Measurement.

Kenneth Whitten is professor emeritus at the University of Georgia (UGA). Dr. Whitten received his A.B. at Berry College, M.S. at the University of Mississippi, and Ph.D. at the University of Illinois. He taught at Tulane, the University of Southwestern Louisiana, the Mississippi State College of Women, and the University of Alabama before joining the UGA faculty as assistant professor and coordinator of general chemistry in 1967. He remained coordinator of general chemistry throughout his UGA career until his retirement in 1998. His numerous awards include the G.E. Philbrook Chemistry Teacher of the Year Award, the Outstanding Honors Professor, the Franklin College Outstanding Teacher of the Year, the General Sandy Beaver Teaching Award, and a Senior Teaching Fellowship. An award was established in Dr. Whitten's honor in 1998 celebrating outstanding teaching assistants in UGA's department of chemistry.

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