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LSC General Chemistry Laboratory Manual

By van Koppen, Petra

McGraw-Hill Science/Engineering/Math, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Experiments 1 Introduction to Laboratory Techniques 2 Nomenclature and Reaction Stoichiometry 3 Analysis of Water 4 Determination of a Chemical Formula 5 The Molar Volume of Gases 6 Thermochemistry 7 Reaction Enthalpies and Hess's Law 8 Atomic Spectroscopy 9 Determination of Avogadro's Number 10 Colligative Properties: Freezing Point Depression 11 Kinetics: The Rate of a Chemical Reaction 12 Chemical Kinetics: Rate of Decomposition of Hydrogen Peroxide 13 Reaction Reversibility and Le Chatelier's Principle 14 Determination of an Equilibrium Constant Using a Spectrophotometer 15 Antacid Analysis and the Determination of the Percent Acetic Acid in Vinegar 16 Acid-Base Equilibria: Determination of Acid Ionization Constants 17 Recycling Aluminum 18 The Oxidation of Vitamin C 19 Oxidation-Reduction Electrochemistry 20 Thermodynamics of Electrochemical Cells 21 Synthesis of Transition Metal Coordination Complexes 22 Synthesis of Aspirin and Oil of Wintergreen Appendix 1 Solubility of Ionic Compounds Appendix 2 Vapor Pressure of Water Appendix 3 Spectrophotometer Appendix 4 Equipment Appendix 5 Acid Ionization Constants.

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Reviews

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-- **Noah Padberg**

Complete guide! Its such a great study. I am quite late in start reading this one, but better then never. It is extremely difficult to leave it before concluding, once you begin to read the book.

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