



## Laboratory Manual for Principles of General Chemistry

By Beran, Jo Allan

Wiley, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. Laboratory Safety and Guidelines. Laboratory Data. Laboratory Techniques. Experiments. A. Introduction. Dry Lab 1 The Laboratory and SI. Experiment 1. Basic Laboratory Operations. B. Chemical and Physical Properties. Experiment 2. Identification of a Compound: Chemical Properties. Experiment 3. Water Analysis: Solids. Experiment 4. Paper Chromatography. Experiment 5. Percent Water in a Hydrated Salt. Experiment 6. Acids, Bases, and Salts. Dry Lab 2A Inorganic Nomenclature I. Oxidation Numbers. Dry Lab 2B Inorganic Nomenclature II. Binary Compounds. Dry Lab 2C Inorganic Nomenclature III. Ternary Compounds. C. Mole Concept. Experiment 7. Empirical Formulas. Experiment 8. Limiting Reactant. Experiment 9. A Volumetric Analysis. Experiment 10. Vinegar Analysis. D. Atomic and Molecular Structure. Experiment 11. Periodic Table and Periodic Law. Dry Lab 3 Atomic and Molecular Structure. E. Gases. Experiment 12. Molar Mass of a Volatile Liquid. Experiment 13. Calcium Carbonate Analysis; Molar Volume of Carbon Dioxide. F. Solutions. Experiment 14. Molar Mass of a Solid. Experiment 15. Synthesis of Potassium Alum G. Acid-Base Equilibria and Analysis. Experiment 16. LeChantelier's Principle; Buffer. Experiment 17. Antacid Analysis. Experiment 18. Potentiometric Analyses. Experiment 19. Aspirin Synthesis and Analysis. Experiment 20....



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