



Introduction to General, Organic, and Biochemistry in the Laboratory

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Wiley, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. Safety Guidelines. Laboratory Rules and Safety Procedures. EXPERIMENTS. 1. Laboratory Techniques. 2. Measurements. 3. Preparation and Properties of Oxygen. 4. Preparation and Properties of Hydrogen. 5. Calorimetry and Specific Heat. 6. Freezing Points--Graphing of Data. 7. Water in Hydrates. 8. Properties of Solutions. 9. Composition of Potassium Chlorate. 10. Double Displacement Reactions. 11. Single Displacement Reactions. 12. Ionization--Electrolytes and pH. 13. Identification of Selected Anions. 14. Properties of Lead(II), Silver, and Mercury (I) Ions. 15. Quantitative Preparation of Potassium Chloride. 16. Electromagnetic Energy and Spectroscopy. 17. Lewis Structures and Molecular Models. 18. Boyle's Law. 19. Charles' Law. 20. Liquids--Vapor Pressure and Boiling Points. 21. Molar Volume of a Gas. 22. Neutralization--Titration I. 23. Neutralization--Titration II. 24. Chemical Equilibrium--Reversible Reactions. 25. Heat of Reaction. 26. Distillation of Volatile Liquids. 27. Boiling Points and Melting Points. 28. Hydrocarbons. 29. Alcohols, Esters, Aldehydes, and Ketones. 30. Esterification--Distillation: Synthesis of a n-Butyl Acetate. 31. Synthesis of Aspirin. 32. Amines and Amides. 33. Polymers--Macromolecules. 34. Carbohydrates. 35. Glucose Concentration in Sheep Blood. 36. Amino Acids and Proteins. 37. Paper Chromatography. 38. Ion-Exchange Chromatography of Amino Acids. 39. Identification...



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