Laboratory Experiments for General, Organic and Biochemistry (Brooks/Cole Laboratory Series for General Chemistry)

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Cengage Learning, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. Laboratory Techniques: Use of Laboratory Gas Burner; Making Laboratory Measurements. 2. Density Determination. 3. The Separation of the Components of a Mixture. 4. Resolution of Mixture by Distillation. 5. The Empirical Formula of a Compound: The Law of Constant Composition. 6. Determination of the Formula of a Metal Oxide. 7. Classes of Chemical Reactions. 8. Chemical Properties of Consumer Products. 9. Calorimetry: The Determination of the Specific Heat of a Metal. 10. Boyle's Law: The Pressure-Volume Relationship of a Gas. 11. Charles's Law: The Volume-Temperature Relationship of a Gas. 12. Properties of Gases: Determination of the Molecular Weight of a Volatile liquid. 13. Physical Properties of Chemicals: Melting Point, Sublimation, and Boiling Point. 14. Solubility and Solution. 15. Water of Hydration. 16. Factors Affecting Rate of Reactions. 17. Law of Chemical Equilibrium and Le Chatelier's Principle. 18. pH and Buffer Solutions. 19. Analysis of Vinegar by Titrations. 20. Analysis of Antacid Tablets. 21. Structure in Organic Compounds: Use of Molecular Models I. 22. Stereochemistry: Use of Molecular models II. 23. Column and Paper Chromatography: Separation of Plant Pigments. 24. Identification of Hydrocarbons....

Reviews

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