



Fundamentals of Chemistry in the Laboratory (4th Edition)

By Burns, Ralph A.

Prentice Hall, 2002. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. Introduction. Laboratory Safety. Laboratory Equipment. Folding Filter Paper, Use of Funnel and Wash Bottle. Handling Reagents; Pouring Liquids. Format for Written Laboratory Reports. 2. Chemistry, Measurements, and Characteristic Properties. Experiment 1: Physical and Chemical Changes. Experiment 2: Measurements. Experiment 3: Density. Experiment 4: Quantitative Separation of a Mixture. Experiment 5: Melting Point, a Characteristic Property. Experiment 6: Paper Chromatography. 3. Atoms and Molecules. Experiment 7: Molar Masses of Some Gases. Experiment 8: Atoms and Spectra. Experiment 9: Conductivity and Solubility Properties. Experiment 10: Molecular Models and Shapes of Molecules. 4. Chemical Reactions and Quantitative Chemistry. Experiment 11: The Formula of a Hydrate. Experiment 12: Ionic Reactions. Experiment 13: Types of Chemical Reactions. Experiment 14: The Preparation of Alum from Scrap Aluminum. Experiment 15: Gravimetric Analysis of a Soluble Sulfate. 5. Gases. Experiment 16: The Pressure-Volume Relationship for Gases. Experiment 17: Determination of the Molar Volume of a Gas. Experiment 18: Diffusion, the Race between Gases. 6. Energy Changes. Experiment 19: Heat of Neutralization. Experiment 20: Heat of Solution. 7. Acid and Bases. Experiment 21: Percentage of Acetic Acid in Vinegar. Experiment 22:...



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