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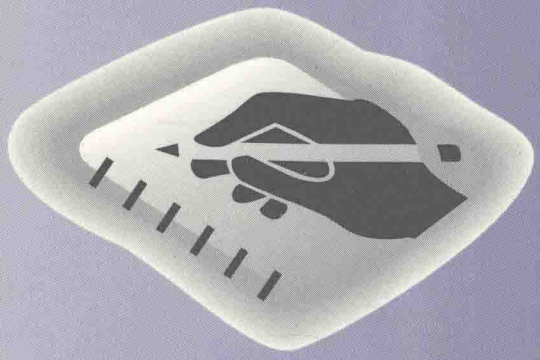

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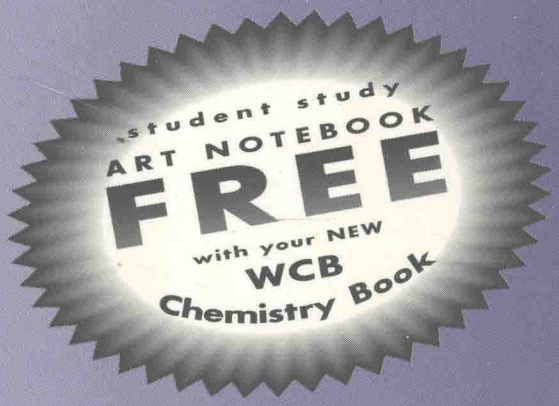

Caret Denniston Topping

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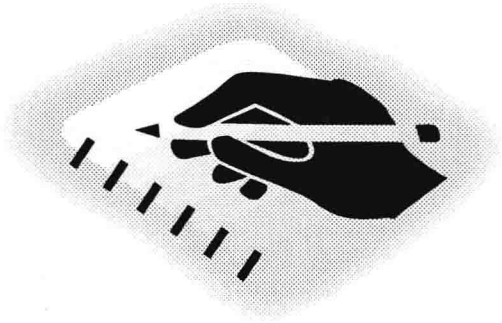

Inorganic, Organic, & Biological Chemistry

Robert L. Caret / Katherine J. Denniston / Joseph J. Topping
Towson State University

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TO INSTRUCTORS AND STUDENTS

The Student Study Art Notebook is an innovative supplement that should facilitate easier, more effective note-taking during lectures. On each notebook page, there are two figures (sometimes one, sometimes three) faithfully reproduced from the original textbook figure. Each figure also corresponds to acetates.

The intention is to place the acetate art in front of students (via the notebook) as the instructor uses the overhead during lectures. The advantage to the student is that he/she will be able to see all labels clearly and take meaningful notes without having to make hurried sketches of the acetate figure.

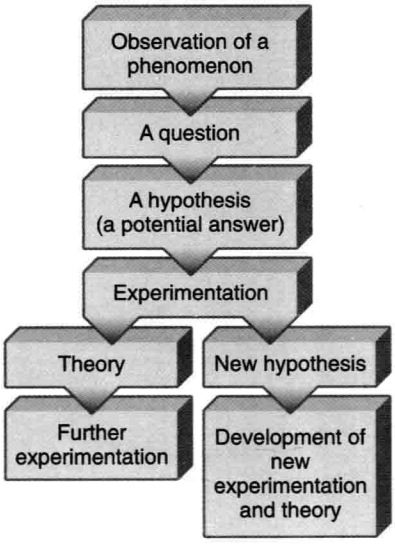
Each page of the Art Notebook is perforated ar three-hole punched, so it can be removed and plac in a personal binder for specific study and review, c to create space for additional notes.

DIRECTORY OF NOTEBOOK FIGURES

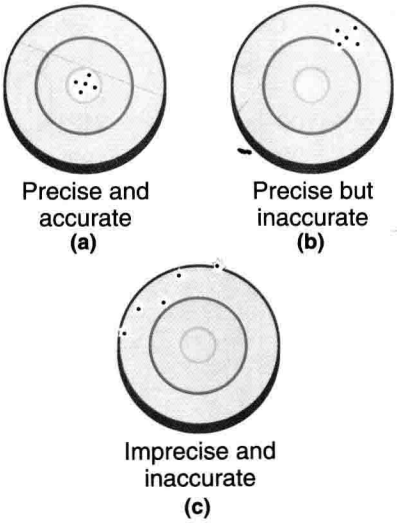
TO ACCOMPANY CARET/DENNISTON/TOPPING FOUNDATIONS OF INORGANIC, ORGANIC, AND BIOLOGICAL CHEMISTRY

PRINCIPLES OF INORGANIC, ORGANIC, AND BIOLOGICAL CHEMISTRY

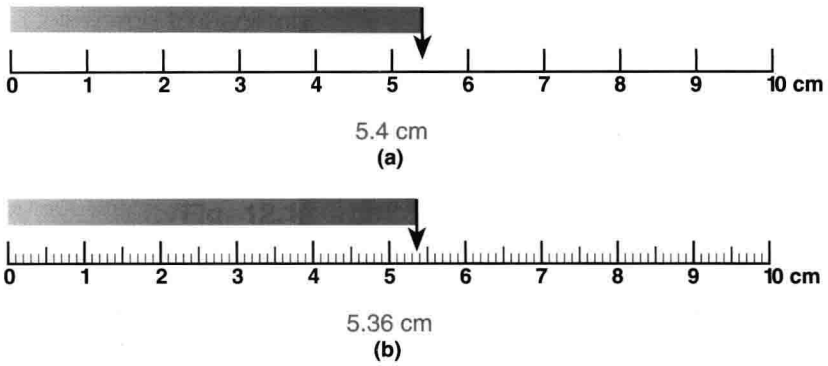
PRINCIPLES OF ORGANIC AND BIOLOGICAL CHEMISTRY



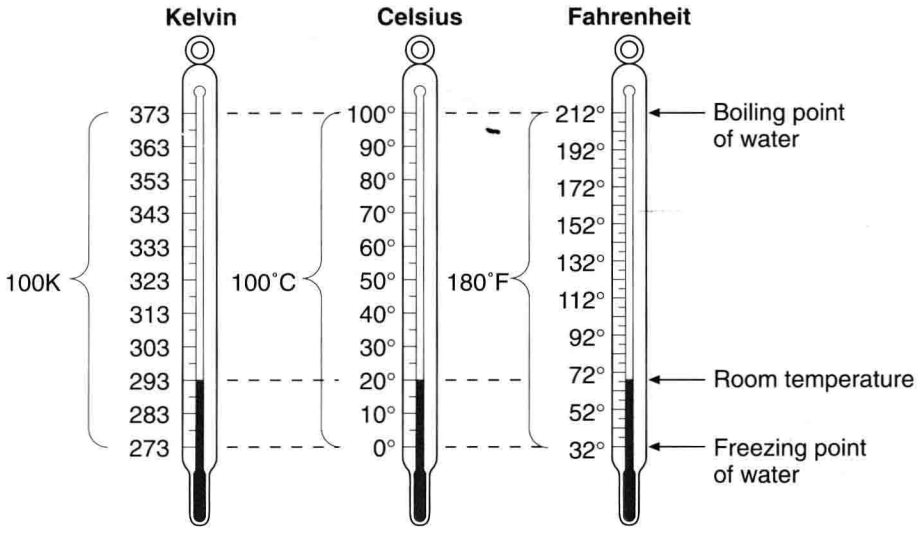
The Scientific Method



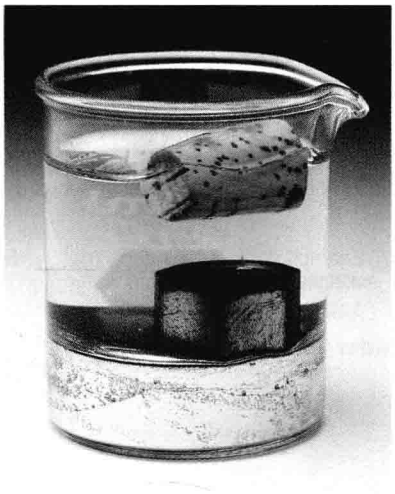
Precision and Accuracy



Significant Figures



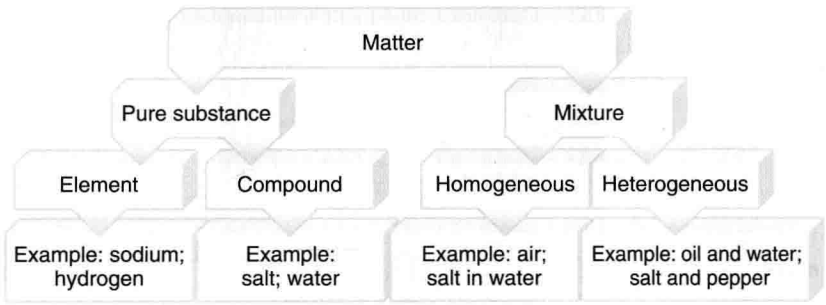
Three Common Units of Temperature



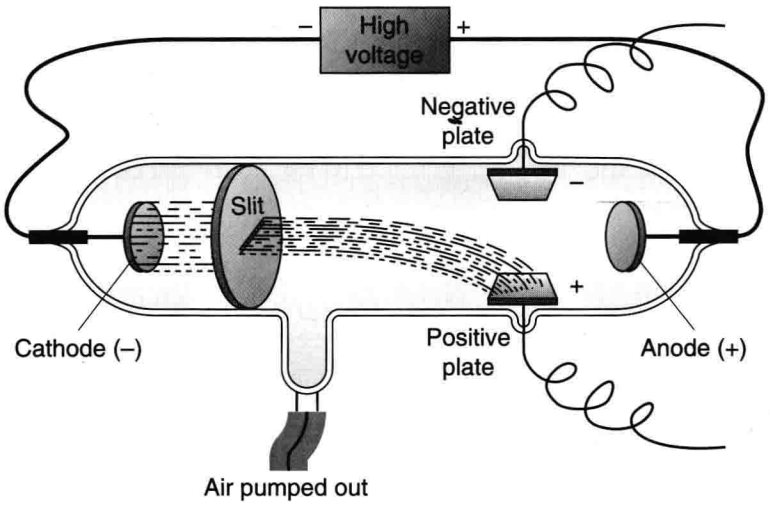
Density—A Unique Property of a Material

(a) (b) (c)

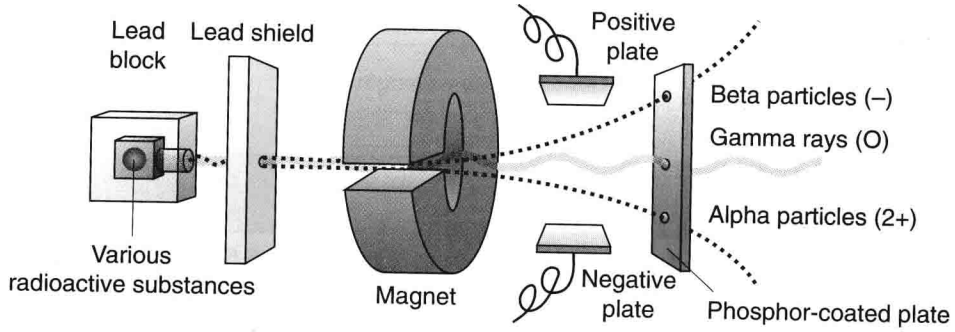
Three States of Matter Exhibited by Water



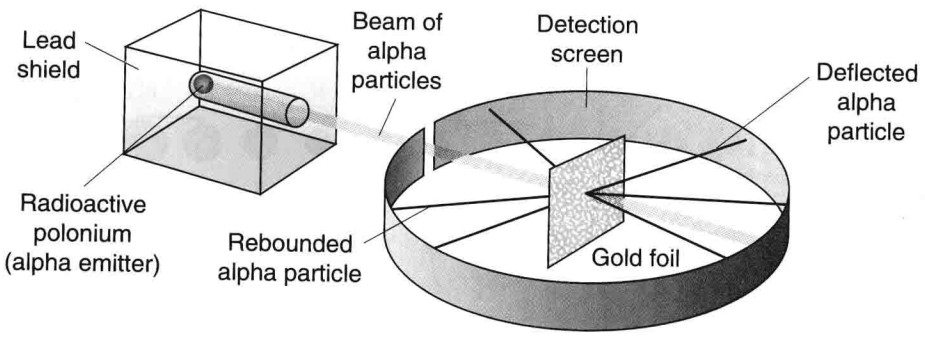
Classification of Matter



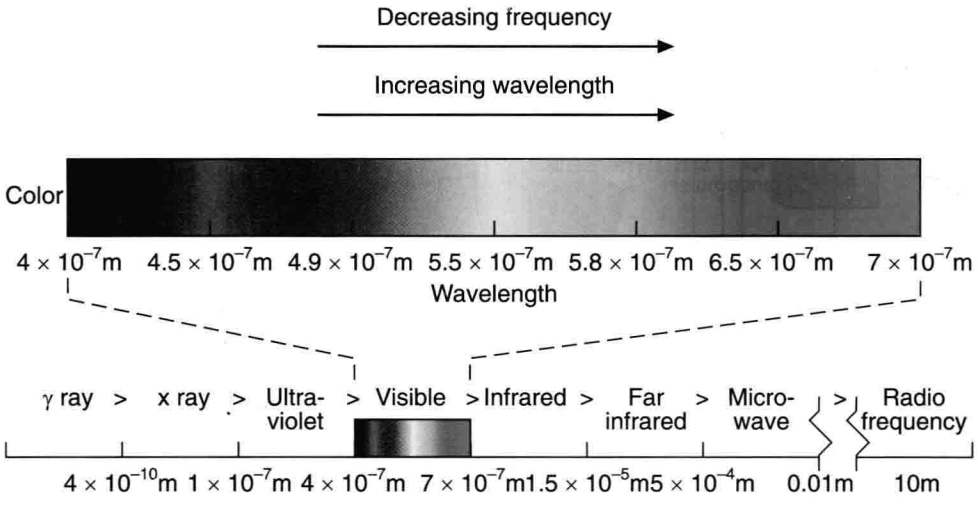
Experiment Demonstrating the Charge of Cathode Rays



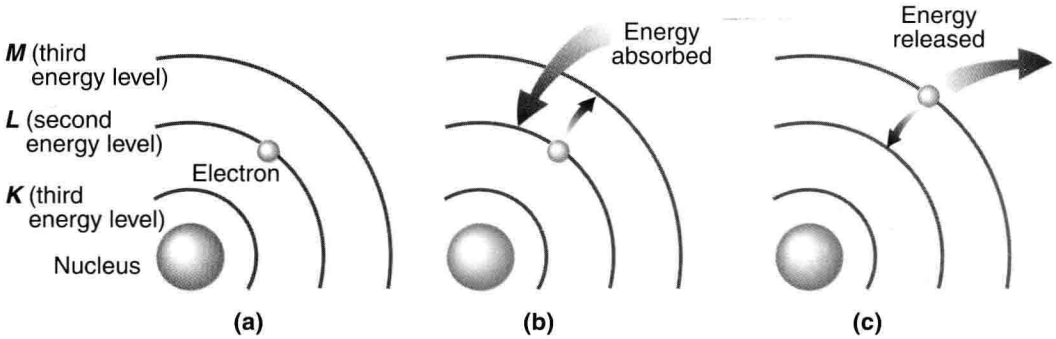
Types and Characteristics of Radioactive Emissions



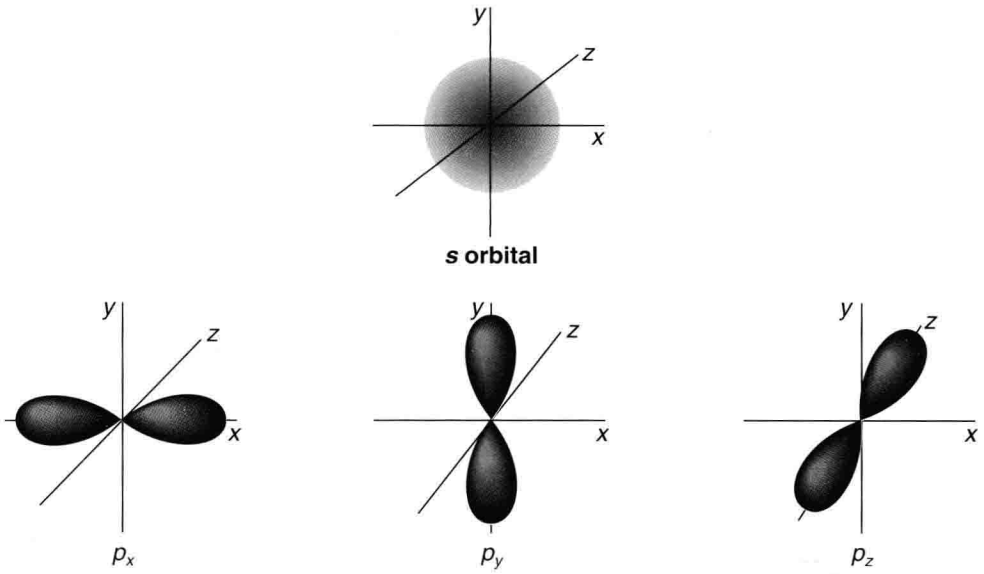
Alpha Particle Scattering Experiment



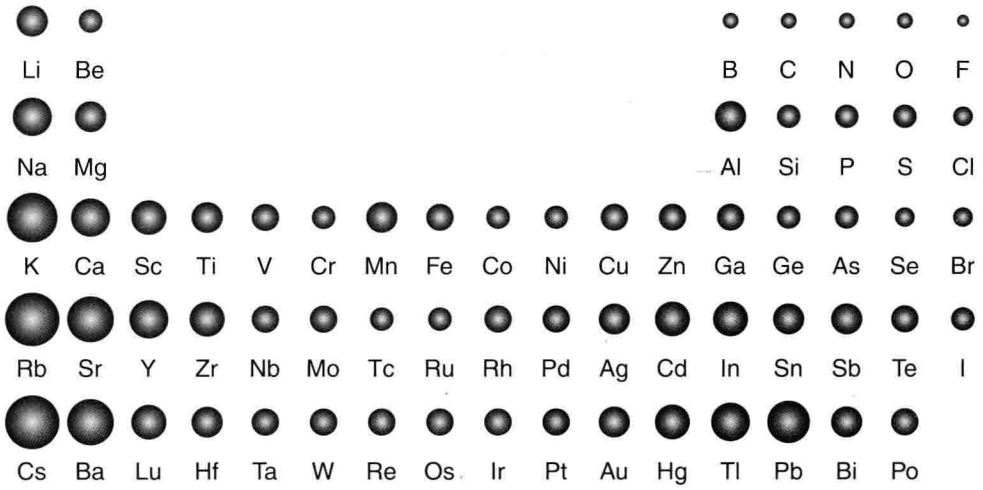
Electromagnetic Spectrum



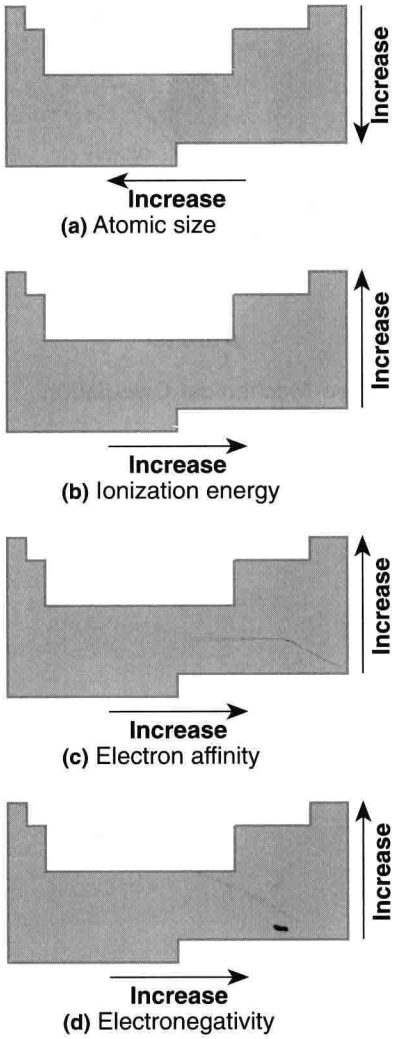
Orbital Energy-Level Diagram of the Bohr Atom



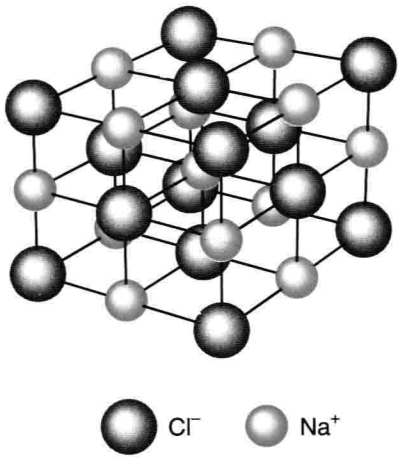
Atomic Orbitals from the Wave-Mechanical Calculation



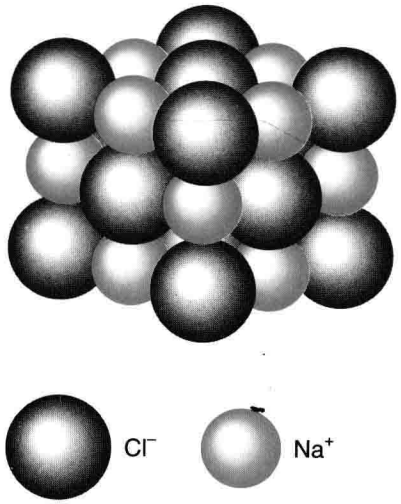
Variation in Size of Atoms



Periodic Trends for Atomic Size, Ionization Energy, Electron Affinity, and Electronegativity



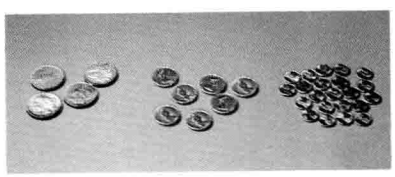
(a)



(b)

Arrangement of Ions in a Crystal of NaCl

Interaction of Polar Water Molecules and Nonpolar "Oil" Molecules



One Mole of Atoms