Chemistry: Selected Readings, 1st Semester

Unit 1: Introduction to Chemistry
- Risky Business Dec. 93
- Post-it Notes Dec. 93
- Poisoned Boy Feb. 94
- Tell-Tale Bullet Feb. 90
- Experimental Method Dec. 90
- Denatured Alcohol Dec. 90
- Dissolving Plastic Oct. 87
  Contest Apr. 88
- Rescue on the Internet Aug. 96 Reader’s Digest
- Dark Science Oct. 85
- Lab Safety Oct. 86

Unit 2: Energy and Matter
- Inks Feb. 93
- Buried in Ice Apr. 94
- Buckyballs Dec. 92
- Growing Diamonds Apr. 90
- Archimedes Oct. 87
- $6,000,000 Man Feb. 88
- The Missing Warning Oct. 85
- What’s So Bad About O₂ Feb. 86
- Natural Dyes Dec. 86 (Lab)

Unit 3: Atomic Structure
- Microwave Chemistry Dec. 93
- PET Scan Feb. 94
- Carbon-14 Dating Feb. 89

Unit 4: The Periodic Table and Periodicity
- Origin of the Element Names Journal of Chemical Education
- Element X Dec. 87

Unit 5: Chemical Bonding and Nomenclature
- Perfume Feb. 92
- Nicotine Patches Oct. 92
- Fruits of Ethylene Apr. 89
- Oil Changes Dec. 89
- Making the Grade Dec. 89
- Fast Fat Feb. 90

Unit 6: The Mathematics of Chemical Formulas
Chemistry: Selected Readings, 2nd Semester

Unit 7: Chemical Reactions and Chemical Equations
- Designer Catalysts: Apr. 94
- Hot Meals: Feb. 92
- Nylon: Dec. 90
- Statue of Liberty: Apr. 85 (Lab)
- Hydrogen and Helium: Oct. 85
- Catalase (experiment): Feb. 86
- Toothpaste: Feb. 86
- Polymers: Apr. 86 (Lab)

Unit 8: Stoichiometry

Unit 9: The Gas Laws
- One Minute Left: Apr. 97, Reader’s Digest
- Smell of Danger: Oct. 88
- Alcohol in Your Tank: Dec. 88
- Balloon Pressure: Oct. 85 (Lab)
- Nitrous Oxide: Feb. 86
- Gas Laws and Scuba Diving: Feb. 83

Unit 10: Solutions
- Biodegradable Bags: Oct. 91
- Hot & Cold Packs: Feb. 87

Unit 11: Acids, Bases, and Salts
- Aspirin: Feb. 93
- Soap: Feb. 85
- How Soap Works: Feb. 85
- Detergents: Apr. 85
- Automatic Sunglasses: Dec. 89

Unit 12: Special Topics
  - Phases and Heat
    - Instant Hot Pack: Feb. 87 (Lab)
  - Other
    - Zombies: Oct. 87
    - Chocolate: Apr. 87
    - Artificial Sweeteners: Feb. 88
    - Abnormal Insulin: Feb. 88
    - Color of Gems: Dec. 88
    - Lipstick/Mood Lipstick: Dec. 85
    - Smoking: Feb. 86