

## **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 O <sub>2</sub>	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)
Cooking With Steam	Feb. 87

##### *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