**Chemistry**

**Selected Resources**

**VIDEOS**

**MEDIA: QD 31.2.W67 1989**


An introduction to chemistry with demonstrations, computer animations, and scenes from industrial and research laboratories.

**WEBSITE**

American Chemical Society
[http://www.chemistry.org/](http://www.chemistry.org/)

The major organization of American chemists. Its 159,000 members include chemists and chemical technicians working in all areas of chemistry, biochemistry, and chemical engineering. Publishes widely read chemical journals (see list of PRINT journals below) and *Chemical Abstracts*. Some American Chemical Society publications can be viewed online at [http://pubs.acs.org](http://pubs.acs.org)

**SELECTED JOURNALS**

**ONLINE**

Combinatorial Chemistry Online
Available at Cade Library Website: [http://www.lib.subr.edu](http://www.lib.subr.edu)
Click on Electronic Journals and follow the link to Science Direct

Journal of Chemical Education
Available at Cade Library Website: [http://www.lib.subr.edu](http://www.lib.subr.edu)
Click on Electronic Journals and follow the link to Ebscohost.

**PRINT**

Accounts of Chemical Research
Chemical and Engineering News
Journal of Agricultural and Food Chemistry
Journal of Chemical Education
Journal of Chemical Information and Computer Sciences
Journal of Organic Chemistry
Journal of the American Chemical Society

Current issues are available in the Current Periodicals Room. Bound volumes of earlier issues are found in the fourth floor stacks.

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**SELECTED RESOURCES**

**Chemistry**

**ABSTRACTS**

**QD1.A51**

*Chemical Abstracts*. Columbus, OH : American Chemical Society. 1907 to present.

Worldwide coverage of all chemistry papers written in English. Provides a full citation and an abstract for each paper. Coverage includes chemistry, biochemistry, and chemical engineering. Abstracts published weekly. Separate cumulative indexes by author, by subject, by name of chemical substance, and by chemical formula published twice each year. Latest year in Current Periodicals Room. 1907-2003 in stacks.

**DATABASES**

*Academic Search Premier*

Available at Cade Library's website [http://www.lib.subr.edu](http://www.lib.subr.edu)

Citations for articles on chemistry topics. Search can be limited to scholarly journals from which full text articles are available online.

**ENCYCLOPEDIAS**

**REF. Q121.V3 1995**


Detailed definitions of chemistry terms. Molecular structure diagrams.

**REF. QD148.E53 1994**


**HANDBOOKS/MANUALS**

**REF. TP200.L49 1999**


Alphabetical list of chemicals known to be allergens, carcinogens, or toxins that are used as ingredients in food, cosmetics, medicines, cleaning products, paints, paper, adhesives, automobile fluids, lawn and garden products, or pesticides. State-by-state list of poison control centers with their toll-free phone numbers.

**REF. QD9.3.L44 1999**


Name and subject lists of websites of federal agencies, chemical industries, environmental industries, and university chemistry or chemical engineering departments. Describes each website, gives its URL, email address, phone number, and mailing address.

**REF. QD8.5.M34 1998**


Guide to American and some European sources of chemical information, including American Chemical Society journals, Chemical Abstracts, Beilstein Handbook, U. S. government technical information centers, patent collections, and online databases.

**REF. QD8.5.A25 1997**


Instructions and ethical guidelines for preparing papers, letters, press releases, posters, and oral presentations.

**REF. QD65.H3 2003**


Physical constants, structural formulas of organic compounds, definitions, properties of materials, mathematical tables, and more.

**REF. QC 462.85 .A44 1993**


Proton and carbon 13 nuclear magnetic resonance spectra charts for the nearly 12,000 compounds available from Aldrich Chemical Company. Each compound identified by chemical formula, IUPAC name, and CAS registry number. Arranged by functional group. Volume 3 has indexes by IUPAC name of compound, by molecular formula, by Aldrich catalog number, and by CAS registry number.

**REF. RS 51.M4 2001**


Identifies 10,000 chemicals, drugs, and biological substances. Gives: Name, Formula, Preparation, Molecular structure, Physical properties, Use, Patent number, Patent owner. Alphabetical list of Named organic reactions gives citation to the article in which the reaction was first reported, brief description of the reaction, structural diagram of reactants and products, and citations to articles reporting significant developments. Includes Tables of Radioactive substances, Solution concentrations, and Unit conversion factors. Numerous indexes.

**SUPPLEMENTAL READINGS**

**RESERVE QD257.M43 1994**


Multiple-choice problems with answers and explanations.