

## Electronic Databases

### **ACS Journals Search (American Chemical Society)**

Coverage: Dates vary according to publication. Covers each title from the beginning of publication date.

Full Text: Yes

Description: Provides the full text of all journals published by the American Chemical Society. Searchable by keyword, author, title, and full text. Articles available in PDF and HTML format (PDF is recommended).

### **SciFinder Scholar (Chemical Abstracts)**

Coverage: 1967 – present.

Full Text: No

Description: Primary resource for chemical literature. Accessible through the Web. Requires setting up a free account with the American Chemical Society. For more information, please contact the Periodicals Department at 825-2355.

### **ScienceDirect**

Coverage: 1995 – present (coverage varies by journal title).

Full Text: Yes

Description: Access to journals in chemistry, chemical engineering, earth sciences and pharmacology.

### **BIOSIS Previews**

Coverage: 1993 – present.

Full Text: No

Description: Includes several ACS publications, including Journal of the American Chemical Society.

### **Cambridge Scientific Abstracts**

Coverage: Primarily early 1980s – present.

Full Text: No

Description: Collection of databases, including Advanced Polymer Abstracts, Safety Science and Risk Abstracts, Toxline and Biological Sciences.

### **Annual Reviews**

Coverage: Dates vary, but generally from the 1950s to the present.

Full Text: Yes

Description: Provides annual collections of critical reviews of research in the biomedical, physical and social sciences. Full text articles are available in PDF and HTML format (PDF is recommended).

### **Web of Science**

Coverage: 1900 – present.

Full Text: Some

Description: Includes the Science Citation Index and covers thousands of publications in the sciences. This database can also be searched by keyword or subject for citations.

## **Business Source Complete**

Coverage: Dates vary according to publication, but in some cases, coverage goes back to the 1960s or earlier.

Full Text: Yes.

Description: Business database that covers all aspects of chemistry, including industry, safety, product development and pharmaceuticals. The other business database to use is [ABI/Inform](#).

## **Internet Resources**

### **American Chemical Society**

Location: <http://www.acs.org>

Description: Premier organization for chemistry. Provides numerous links to ACS services, products and publications; jobs; and meetings.

### **Where to find MSDS [Material Safety Data Sheets] on the Internet**

Location: <http://www.ilpi.com/msds/index.html>

### **Safety Links: Material Safety Data Sheets**

Location: <http://jrm.phys.ksu.edu/Safety/msds.html>

### **WWW Virtual Library: Chemistry**

Location: <http://www.liv.ac.uk/Chemistry/Links/links.html>

Description: Links for University departments, companies and industry, chemical literature, chemical information, employment, organizations, software, and topics.

### **Yahoo! Links for Chemistry**

Location: <http://dir.yahoo.com/Science/chemistry/>

## **Print Resources**

### **DICTIONARIES:**

#### **Hawley's Condensed Chemical Dictionary (Ref QD 5 .C5 2007)**

Description: Defines chemicals and chemical compounds, including formulas, derivations, forms, uses, and possible hazards. Includes trademarks.

#### **Glossary of Chemical Terms (Ref QD 5 .H34)**

Description: Covers elements, compounds, processes, laws, chemists and abbreviations.

### **ENCYCLOPEDIAS**

#### **Encyclopedia of Inorganic Chemistry (Ref QD 148 .E53 1994)**

Description: Defines and describes elements, compounds, substances and processes. Includes diagrams, formulas, tables and references. Provides an alphabetical table of contents.

#### **MacMillan Encyclopedia of Chemistry (Ref QD 4 .M33 1997)**

## HANDBOOKS:

### **Beilstein's Handbuch der Organischen Chemie** (Microfilm- QD 251 .B4 1918)

Description: Library has Vols. 1-33.

### **CRC Handbook of Chemistry and Physics** (Ref QD 65 .H3)

Description: Provides extensive information on the properties of chemicals, compounds, and substances. Includes a section on health and safety information and numerous tables for conversion and mathematical formulas.

### **Gmelins Handbuch der Anorganischen Chemie** (Ref QD 151 .G52)

Description: Library has nos. 2-60 (missing some volumes).

### **Lange's Handbook of Chemistry** (Ref QD 65 .L362)

### **Merck Index** (Ref RS 51 .M4)

Arranged alphabetically by the name of the chemical or compound. Provides information on structure, formulas, molecular weight, composition, and use.

## INDEXES

### **Chemical Abstracts** (Ref Z 5523 .C46)

Coverage: Vol. 1 (1907) – Vol. 115 (1991)

Description: Covers all major aspects of chemistry. Library has numerous indices for authors, subjects, formulas, chemical substances and patents.

### **Biological Abstracts** (Reference Annex Z 5321 .B55)

Coverage: Vol. 1 (1926) – Vol. 33 (1959); Vol. 35 (1960) – Vol. 101 (1996).

Description: Covers biochemistry and toxicology.

## STYLE GUIDES:

### **ACS Style Guide** (Reference Desk QD 8.5 .A25 2006)

Location: Reference Desk.

### **How to Write and Publish a Scientific Paper** (T 11 .D33 1998)

### **Preparing Scientific Illustrations: a Guide to Better Posters, Presentations, and Publications** (Q 222 .B75 1996)

## **For More Information**

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