Welcome

This page is intended to help you navigate and use information resources used in your Chemistry courses. Use the menu above to navigate.

Information Resources

Popular and Scholarly Articles

Academic Search Premier
Publication Dates Covered: 1975 - present Paid for by K-State Libraries
A good place to start searching for almost any topic. It provides full text for more than 4,600 journals, including full text for nearly 3,900 peer-reviewed titles.

Applied Science & Technology Abstracts
Includes more than 400 core English-language scientific and technical publications pertaining to physical science and engineering. Provides citations and abstracts.

Health and Wellness Resource Center
Medicine, health, and alternative medicine topics are covered. Provides access to medical journal and magazine articles, a medical encyclopedia, and dictionary. Directories of medical organizations and drugs are provided along with a health assessment tool.

Health Reference Center Academic
Provides references, abstracts, and full text from health publications. Includes a medical dictionary; medical directories and reference books; consumer-oriented and professional health periodicals; and pamphlets issued by health organizations.

Kirk-Othmer Encyclopedia of Chemical Technology
Paid for by K-State Libraries
This electronic version of the 4th edition of the Kirk-Othmer Encyclopedia of Chemical Technology includes more than 1200 full text articles. Tables, figures, CAS Registry Numbers, and chemical structures appear with the articles. Articles cover chemical substances, industrial processes, uses, fundamentals, chemical engineering processes, foods, pharmaceuticals, dyes, and fibers.
**Knovel**

Paid for by K-State Libraries
Contains over 2000 digital versions of books in scientific and engineering fields. Browse by subject or title, or search across part or all of the collection by keyword.

**ProQuest Research Library**

Publication Dates Covered: 1971 - present
Paid for by K-State Libraries
This is a good starting point for finding journal articles on almost any topic. Over 150 academic subject areas are covered, and most articles are full-text. Searches can be limited to scholarly, peer-reviewed journals.

**Useful Websites**

**American Chemical Society**
The website of the American Chemical Society with ACS programs, news and chemistry resources.

**Center for Disease Control**
The Centers for Disease Control and Prevention.

**ChemExper** - Used in class with the librarian
Contains 60,000+ compounds with their physical properties such as boiling point, melting point, IR spectrum (5000+), MSDS (12000+), supplier information, 2D and 3D structures.

**ChemFinder**
Search for information, including physical property data, on chemical compounds.

**ChemIDplus**
Free, web-based search system that provides access to structure and nomenclature authority files used for the identification of chemical substances cited in National Library of Medicine (NLM) databases.

**Environmental Protection Agency**
EPA has been working for a cleaner, healthier environment for the American people.

**FirstGov**
FirstGov.gov, the official U.S. gateway to all government information, is the catalyst for a growing electronic government. (Check out Consumer Safety)

**Food and Drug Administration**
The FDA protects public health.

**GPO (Government Printing Office) Monthly Catalog**
Indexes governmental agency publications, including EPA and CDC reports. 1976 - present

**HealthFinder**
Healthfinder® is an award-winning federal website for consumers, developed by the U.S. Department of Health and Human Services together with other federal agencies.

**Household Products Database**
Includes brand-specific labels and Material Safety Data Sheets (MSDS) prepared by manufacturers.

**Journal of Analytical Sciences Digital Library**
Includes innovative laboratory experiments and approaches.

**NIST Chemistry WebBook**
Searchable database providing easy access to chemical and physical property data for chemical species.

**TOXLINE**
Access to information in all areas of toxicology, including chemicals and pharmaceuticals, pesticides, environmental pollutants, and mutagens and teratogens.

**ToxNet**
A database of references to toxicological effects of chemicals.

**Tox Town**
An introduction to toxic chemicals and environmental health risks you might encounter in everyday life, in everyday places.

**WebElements**
A hypertext-linked collection of property data.

**Periodic Table Videos**
Tables charting the chemical elements have been around since the 19th century - but this modern version has a short video about each one.
**Remember…**

*Use keywords!* The databases and catalog don’t understand sentences or questions.

*Be flexible!* Different words will work in different databases.

**Reading List**

Interested in reading more about chemistry and its influences on our everyday lives? Check out these titles below for additional reading.

Books that are listed at K-State Polytechnic Library are readily available for check out during normal library hours.

Books listed at Hale Library are located in Manhattan and will need to be ordered through interlibrary loan. This process takes between 1-3 days from order to shipment and is free to any student or faculty member.

### K-State Salina Library

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<td>Brenda Maddox</td>
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<td>Fritjof Capra</td>
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<td>Paul Strathern</td>
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<td>MOLECULES AT AN EXHIBITION</td>
<td>John Emsley</td>
<td>QP514.2 .E47 1998</td>
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<td>NATURE'S BUILDING BLOCKS</td>
<td>J. Emsley</td>
<td>QD466 .E485 2001</td>
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<tr>
<td>ON FOOD AND COOKING</td>
<td>Harold McGee</td>
<td>TX651 .M27 2004</td>
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Evaluating Sources

It is not always easy to determine if information is credible, especially on the Internet. However, using the guidelines below will help you in making that evaluation.

Questions to Ask

Who is the author of this page?
What are their credentials?
What institution are they affiliated with?
Does the page conveniently display this information?
What is the purpose of this page?
Does the author state the goals for this site?
Does this page inform, educate, persuade or act as a soap box?
If the author is affiliated with an institution (government, university, business, organization, etc), does this affiliation bias the information presented?
A sloppy page (bad grammar, misspelling) indicates hastiness.
It's always a good idea to cross-reference information no matter where you find it.
Do graphics add or subtract from the content?
Is the information complete or fragmented?
When was this page created?
Is there a revision/creation date?
Do the links work?
Is the page maintained and new material added?

Remember to ask yourself:
Is the Internet the best place for this type of information? Would a print source or an electronic database be a better choice?
Double check with a librarian if you are unsure.