

1. Getting Started - *What's it all about?*

If you are not sure what your topic is all about, look it up in a **dictionary** or **encyclopedia**. Start with:

Title	Item Location	Call No.
Encyclopedia of inorganic chemistry	Phys Sci & Engin	QD148.E53 1994-
Dictionary of inorganic compounds	Phys Sci & Engin Ref	QD148.D53 1992-
Hawley's condensed chemical dictionary	Phys Sci & Engin Ref	QD5.C5 2002
(Kirk-Othmer) Encyclopedia of chemical technology	Phys Sci & Engin /Available Online - check the Library catalogue	TP9 .E685 1991-
A comprehensive treatise on inorganic and theoretical chemistry	Phys Sci & Engin	QD31.M52 1922-
Comprehensive coordination chemistry II : from biology to nanotechnology	Phys Sci & Engin	QD474.C652 2004

What's the latest? For a recent overview of your topic try a **handbook** or a **yearbook**. They can have all kinds of facts, figures and precise information. Try:

Title	Item Location	Call No.
CRC Handbook of chemistry and physics	Phys Sci & Engin Ref / Available Online - check the Library catalogue	QD65.H3
Lange's handbook of chemistry	Phys Sci & Engin	TP151.L3 2005
Reaxys	Available online	

2. Next Steps - *Start with a book*

Use the **Keyword search** in the Library's Catalogue. You can search using words like - **quantum and chemistry**.

You can also browse the Catalogue, or browse the shelves at the following **call numbers** -

QD146 - 197	Inorganic Chemistry
QD161 - 169	Nonmetals
QD171 - 172	Metals
QD450 - 801	Physical Chemistry
QD462 - 464	Quantum Chemistry, Atomic and Molecular Weights
QD510 - 562	Thermochemistry, Electrochemistry, Electrolysis
QD625 - 731	Radiation Chemistry, Photochemistry

3. Locating up-to-date information - *Subject-specific journal articles*

For recent information, journal articles are often the best sources. Looking through individual journals in the hope of finding relevant material is time-consuming. It is better to use the databases to find articles on your topic. Access to *all databases* is via the Library's Database Page.

Start with the following key databases for this subject -

Database name	Content Notes
SciFinder	SciFinder is a research discovery tool that allows you to explore the CAS databases that contain literature from many scientific disciplines including biomedical sciences, chemistry, engineering, materials science, agricultural science, and more
Web of Science	Provides access to current and retrospective multidisciplinary information from high impact research journals. Web of Science also provides a unique search method, cited reference searching.
Reaxys	Reaxys is Elsevier's new research system for accessing the combined experimental substance and reaction data housed in the Beilstein, Gmelin and Patent chemistry databases
Scopus	Scopus is a multidisciplinary abstract and citation database of research literature and quality web sources. Subject coverage includes chemistry, physics, mathematics, engineering, life and health sciences, psychology, economics, social sciences, and biological and agricultural sciences.

There may be other databases for this subject. Check online at <http://www.library.uq.edu.au/database/>

Make sure you use the right words for your search. When you are searching, near enough may not be good enough. Ask the Library staff for help, check a database guide or attend an information skills class.

Once you have found your journal articles, you may need to search the Library's catalogue for the journal title. Use the **Title** or **Keyword** search in the Catalogue. Remember that many journals are now available in full text online through the Library's Catalogue. They are also linked directly from within your database search.

4. Exploring further - *Selected Internet sites*

Start with the following **key internet sites** for this subject -

ChemWeb.com	http://www.chemweb.com/
UCSB Chemistry & Biochemistry	http://guides.library.ucsb.edu/chemistry
World Wide Web Virtual Library: Chemistry	http://www.liv.ac.uk/Chemistry/Links/links.html
National Chemical Information Gateway (Aust)	http://www.deh.gov.au/chemicals-gateway
WebElements Periodic table	http://www.webelements.com/
Sheffield ChemDex	http://www.chemdex.org
ChemBioFinder	http://chembiofinderbeta.cambridgesoft.com/
Rolf Claessen's Chemistry Index	http://www.claessen.net/chemistry/
Chem Sources Online	http://www.chemsources.com/
Chemgold II (includes material safety data sheets)	http://hazsafety.pf.uq.edu.au/chemwatch/

5. Finding specialised information - *You may also need these*

For some topics you will need to consult specialist information sources.

Sigma-aldrich library of chemical safety data	Phys Sci & Engin Ref / Biol Sciences Ref / Herston Medical Ref T55.3.H3S54 1988-
Sax's dangerous properties of industrial materials	Biol Sciences Ref T55.3.H3S3 2000

More questions? - Ask at the information desk in any branch Library
or check the Library's Web Page: <http://www.library.uq.edu.au>

For further help with this subject,
or if you have any comments, please contact:
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