

Chemistry 1411 Lab Library Research Assignment

Requirements: 1 – 1.5 pages; at least 2 sources: a reference work and an article from a science magazine or journal.

Enter Date Due:

Purpose: to learn about a particular chemistry problem in depth; to learn research skills that relate to chemistry and other sciences; to learn to evaluate information sources for usefulness and reliability. Information in the sciences is constantly changing, and the ability to keep up with current research is an essential skill.

Introduction: Read your assignment. What are you looking for? Write the questions to be answered in your report:

Procedure/Observations/Data: List the significant keywords and phrases related to your questions, then group them in the categories below (this matches the tutorial “List” exercise). These will be the words you will use when searching databases and book indexes.

| | General keywords | Specific keywords | Related keywords (synonyms) |
|--|---|---|--|
| <i>Example of keywords for a search on nitrites and food preservatives</i> → | (use to broaden search if you need more results) <i>Food additives</i> | (use to narrow search if you get too many unfocused results) <i>Sodium nitrite</i> | (use to expand search) <i>Preservatives, NaNO₂</i> |
| Fill in keywords for your topic → | | | |
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Observations and Data:

- From your research, record the information sources you find useful for your report.
- You may not need to use all of these types of sources, although you **must** use **at least one reference work and one article from a science magazine or journal**.
- You will need this information when you create a bibliography (list of sources used) for your report.

AccessScience - Online reference work (we've filled some of this in for you)

Author of reference article (usually at end of article):

Title of reference article:

Title of reference source: **AccessScience@McGraw-Hill: the online encyclopedia of science and technology. 2007 ed. [online database]**City: **New York** | Publisher: **McGraw-Hill**Publication Date or year of update: **2007**URL: **<http://www.accessscience.com/>**

Date accessed (Year, month, date):

Online reference work (other than AccessScience)

Author of reference article (usually at end of article):

Title of reference article:

Title of reference source:

City: | Publisher:

Publication Date or year of update:

URL:

Date accessed (Year, month, day):

| | |
|--|--------------------------------|
| Print Reference Work, Signed Article | |
| | |
| Author of reference article (usually at end of article): | |
| | |
| Title of reference article: | |
| | |
| Title of reference source: | |
| | |
| Edition, if not 1 st : | |
| Publication Date: | Volume #, if multivolume work: |
| Pages of article: | |

| | |
|---|--------------------------------|
| Print Reference Work (use this if you have another source) | |
| | |
| Author of reference article (usually at end of article): | |
| | |
| Title of reference article: | |
| | |
| Title of reference source: | |
| | |
| Edition, if not 1 st : | |
| Publication Date: | Volume #, if multivolume work: |
| Pages of article: | |

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|---|------------------------------------|
| Article in a Magazine or Journal from an online database | |
| | |
| Author: | |
| Title of article: | |
| | |
| Title of Magazine or Journal: | |
| | |
| Date published (Year, month, day): | |
| Volume and issue if a journal article: | |
| Page numbers: | Available from (name of database): |
| | |
| Database URL: | |

| Article in a Print Magazine or Journal | |
|--|--|
| | |
| Author: | |
| Title of article: | |
| | |
| Title of Magazine or Journal: | |
| | |
| Date published (Year, month, day): | |
| Volume and issue if a journal article: | |
| Page numbers: | |

| Book | |
|-----------------------------------|------------------|
| | |
| Author: | |
| Title: | |
| | |
| City: | Publisher: |
| Publication Date: | Number of Pages: |
| (If e-book) URL: | |
| Date accessed (Year, month, day): | |

| Web source |
|--------------------------------------|
| |
| Author(s), if given: |
| Title of web page: |
| Organization or publisher, if given: |
| Publication Date or year of update: |
| URL: |
| Date accessed (Year, month, day): |

