

## Chemistry 1111 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;
- research skills that relate to chemistry and other sciences;
- 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)   |
|---|--|--|---|
| <p><i>Example of keywords for a search on nitrites and food preservatives</i> →</p> | <p>(use to broaden search if you need more results)</p> <p style="text-align: center;"><i>Food additives</i></p> | <p>(use to narrow search if you get too many unfocused results)</p> <p style="text-align: center;"><i>Sodium nitrite</i></p> | <p>(use to expand search)</p> <p style="text-align: center;"><i>Preservatives, NaNO<sub>2</sub></i></p> |
|   | <b>General keywords</b>  | <b>Specific keywords</b>   | <b>Related keywords (synonyms)</b>  |
| <p>Fill in keywords for <b>your</b> topic →</p>                                     |  |  |   |
|   |  |  |   |
|   |  |  |   |

**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**
  - **at least 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(s) 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. 2007-2020 ed. [online database]**City: **New York**Publisher: **McGraw-Hill**

Publication Date or year of update: [Check at end of article for this date]

Date accessed (Year, month, date):

URL: **<http://www.accessscience.com/>****Reference work, online or print (other than AccessScience)**

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

Title of reference article:

Title of reference source:

Edition, if not 1<sup>st</sup>:

Volume #, if multivolume work:

City:

Publisher:

Publication Date:

If online, Year of update:

If online, Date accessed (Year, month, day):

Pages of article:

URL, if online:

|  |  |
|--|--|
| <b>Reference work, online or print</b> (use this if you have yet another reference source) |  |
| Author(s) of reference article (usually at end of article):                                |  |
| Title of reference article:  |  |
| Title of reference source:   |  |
| Edition, if not 1 <sup>st</sup> :  | Volume #, if multivolume work:               |
| City:  | Publisher:                                   |
| Publication Date:  |  |
| If online, Year of update:   | If online, Date accessed (Year, month, day): |
| Pages of article:  |  |
| URL, if online:  |  |

|   |                              |
|---|------------------------------|
| <b>Article in a Magazine or Journal from an online database or in print</b> |                              |
| Author(s):  |                              |
| 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), if online:                               |                              |
| City:   | Publisher/Vendor, if online: |
| Date accessed (Year, month, day), if online:                                |                              |
| Database URL, if online:  |                              |

| <b>Article in a Magazine or Journal from an online database or in print</b> |                              |
|---|------------------------------|
| Author(s):  |                              |
| 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), if online:                               |                              |
| City:   | Publisher/Vendor, if online: |
| Date accessed (Year, month, day), if online:                                |                              |
| Database URL, if online:  |                              |

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

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

<http://library.austincc.edu>