Chem 498 & 499
Library Assignment

Part 1- Computer

1. Using the University's library online catalog, look up and print out the record for a thesis in chemistry published by an NIU student.

2. Do a keyword search on a broad topic in the library online catalog. Pick out a title and print out the record.

3. Now while in the online catalog at the top of the screen select "All I-Share Libraries" from the 2nd drop down menu then do a title or author search for #2 and either print out or write down all the names of the different universities listed as having the book.

Go to: Books and More…

4. In World Cat do an author or title search for the same title in #2 and print out the page showing how many libraries worldwide own the book.

5. Using E-brary or Net Library do a search on your topic and print out the title page of an e-book.

Go to: Search Our Databases by Subject, Chemistry-click on "Databases Tab"

6. In *ACS Publications* find and print out the first page (PDF) of an article on your topic.

7. Using *Chem Spider* or search for the MSDS of a chemical substance of your choice and print out the record.

8. In *Web of Science* do a find author search for Jon Carnhan or you faculty advisor. Find and print out the record for article they published.

Part 1-Print

<u>Without using a computer!!!</u>

9. Find the boiling point of acetone and cite the print resource that you used.

10. Find and cite an encyclopedia article related to your topic.

11. Find the melting point of nickel and cite the resource that you used.

12. Find the specific gravity of gold and cite the resource that you used.

Part 2- SciFinder Scholar

SciFinder Scholar has only two seats for the entire campus, which means only two people can use it at the same time. It is available on the web but you must register before beginning the assignment.

1. Research your topic then find and print out the record of an article on your topic.

2. Do an author search for an article written by an NIU chemistry professor and print out the record.

3. Do a structure search for a compound of your choice. Print out the record of the compound then get references and save the answer set.

4. Do a research topic search related to the compound in number 3. Save the Answer Set. Then go to Saved Answer Sets, select two sets and click on the combine symbol. Print out a record on your topic from the new answer set. Record steps you took, explain which combined method you used and why you choose that method.