

**PROBLEM SET #4**

*Using SciFinder Scholar to Explore by Research Topic, by Author, and by Substance*

DUE: 8:30 a.m., 27 September 2005

*Activities dealing with your special topic (Work with your partner)*

Use SciFinder Scholar to search for information on your topic. Use the Explore by Research Topic option.

1. What research topic did you search? Describe your precise search strategy. How many references did you obtain? Refine your list of references and explain how you did so. How did it change the number of references? View the abstracts of your refined set of references and select those that appear to be the most relevant by checking the box in front of the reference. (If there are too many references to look at all the abstracts, refine the list further or look at only a sampling of them.) From the Tools menu choose Keep References to reduce your references to those checked. Save your final list of references.
2. Select one of your references that has an e-document icon and click on it. Tell how you would obtain a copy of the article (e.g., download full-text online for free or only for subscribers, in print in the science library, must request through interlibrary loan, etc.). Describe your search process to find that availability/access information. List in ACS style the complete citation for this article.

*Activities related to your compound (Work individually)*

Use SciFinder Scholar to search for information on your topic. Use the Explore by Substance Identifier option.

1. How did you locate your favorite compound (by name, molecular formula, or the CAS Registry Number)? List the Registry Number of your compound. How many references are there to this compound? Are commercial sources for this compound given? If so, how many suppliers are listed?
2. Search for any of the information that you have been unable to find for your favorite compound, e.g. IR, NMR, enthalpy of formation. Describe what you did and what you found. If you previously found all of the desired information, select one of the values to search for again. Describe what you did and what you found. How does it compare with the source you used previously?