Exercise:
Using **CHEMnetBASE** and *Organic Syntheses* to locate information on an organic compound

Start this exercise at the Science and Engineering Library homepage:
http://www.library.ucla.edu/libraries/sel

A. ORGANIC SYNTHESES

Click on the "E-books and Reference Sources" link on the left and select ***Organic Syntheses*** from the list of resources.

In the upper right hand corner, click on the *Search Text* tab in the blue box. Search for **tetraphenylnaphthalene** and read the article by Fieser and Haddadin about its preparation.

Q: What is the CAS Registry number for 1,2,3,4-tetraphenylnaphthalene? (look in the article appendix)

_____

Q: What is the first compound prepared? _____

Q: To prepare (synthesize) 1,2,3,4-tetraphenylnaphthalene, what solvent is used?

_____

Q: What is the yield for 1,2,3,4-tetraphenylnaphthalene?_____

Read the discussion section to answer the following questions:

Q. Which previous researcher had the best yield and what was the reported yield?
_____

Write the reference for this researcher's paper (with the best yield), including author(s) & complete journal citation

_____

Q: What part of this reference may be searched in a library catalog? (circle your answer above)

REMINDER -- Author's names and titles of journal articles are not searchable in most library catalogs; full titles of journals are searchable

Find the full name of the abbreviated journal cited in the citation above using the CAS Source Index (CASSI) http://cassi.cas.org/

Full Journal Title: _____

Using the UCLA Library Catalog, http://catalog.library.ucla.edu, locate the journal cited in the reference above by using a **Journal Title (start of)** search found on the drop down menu on the Basic Search screen.

When you have found the UCLA Library Catalog record for the journal, click on the ***ONLINE ACCESS*** link to check the publisher's Web site. **Find the full text and answer the following questions:**

Q: To prepare (synthesize) 1,2,3,4-tetraphenylnaphthalene, what solvent is used? _____

Q: Why is Fieser and Haddadin's yield different than LeGoff's?

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