1. Prior to the Junior Seminar (or your junior spring), what classes had you taken in the Chemistry curriculum?

- CHEM 110: Introductory Chemistry I
- CHEM 120: Introductory Chemistry II
- CHEM 210: Organic Chemistry I
- CHEM 220: Organic Chemistry II
- CHEM 240: Analytical Chemistry
- CHEM 260: Chemical Analysis
- CHEM 310: Physical Chemistry I
- CHEM 352: Biochemistry
- CHEM 410: Physical Chemistry II
- CHEM 420: Instrumental Analysis
- CHEM 430: Inorganic Chemistry
- CHEM 440: Advanced Organic Chemistry
- CHEM 450: Molecular Structure and Reactivity
- CHEM 460: Advanced Biochemistry
- Other Chemistry classes (please list)

- MATH 112: Calculus I
- MATH 113: Calculus II
- PHYS 150: Introductory Physics I
- PHYS 152: Introductory Physics II
- PHYS 220: Intro. to Relativity/Quantum Physics
- BIOL 246: Cell and Molecular Biology
- BIOL 466: Experimental Molecular Biology
- Other elective classes (please list)

2. What are your post-Kalamazoo College goals?

3. How would you characterize your ability to do effective background literature (bibliographic) research?

<table>
<thead>
<tr>
<th>Not Very Good</th>
<th>Fair</th>
<th>Excellent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

4. Where did you get instruction on how to conduct bibliographic research while at Kalamazoo College?

   - From an instructor. Yes     No
   - From a librarian who came to my class(es) Yes          No
     What class(es)?
   - From a librarian who helped me in the library. Yes     No
   - Email message to reference@kzoo.edu or Ask a Librarian. Yes     No
   - Other: ____________________________________________________________________________
5. Please rank your level of confidence in your skills in the various parts of the bibliographic research process.

<table>
<thead>
<tr>
<th>Task</th>
<th>Low</th>
<th>Fair</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developing a topic</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Identifying sources</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Locating/retrieving sources</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Seeking feedback</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Integrating sources in writing</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Documenting sources</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

6. Please rank the level of difficulty you have in integrating the following kinds of materials in a paper involving bibliographic research:

<table>
<thead>
<tr>
<th>Type</th>
<th>Very Difficult</th>
<th>Some Difficulty</th>
<th>No problem at all</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biographical info</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Historical background</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Technical data</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Theoretical concepts</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

7. In the initial stages of research, what sources/resources do you use to locate material relevant to your topic?

- Library Catalogs
  - Ariadne
  - WestCat
  - WorldCat
  - Other

- Full-Text Databases
  - JSTOR
  - Wilson Select
  - Other

- Journal Indexes
  - SciFinder Scholar
  - Applied Science & Tech. Abstracts
  - MEDLINE
  - Other

- Internet Search Engines (Google, Yahoo, etc.)

- People
  - Library Staff (e.g., reference librarian)
  - Instructor (e.g., out-of-class meeting)
  - Fellow Students
  - Other

8. If you have trouble finding useful material after first getting started, what do you do next?

- I ask another student for help.
- I ask your instructor for help.
- I ask a librarian for help.
- I ask someone else for help (who?)
- I do not seek assistance.
- I suffer.
9. In the final draft of your bibliographic research project, what materials have you integrated?

Books/book chapters located through:
- Ariadne (K College library catalog)  Never Sometimes Frequently Always
- WestCat (Western’s catalog)  Never Sometimes Frequently Always
- WorldCat (Interlibrary loan)  Never Sometimes Frequently Always
- Other

Articles, located through journal indexes:
- SciFinder Scholar  Never Sometimes Frequently Always
- MEDLINE  Never Sometimes Frequently Always
- Other

Articles, located through full-text databases:
- JSTOR  Never Sometimes Frequently Always
- Wilson Select  Never Sometimes Frequently Always
- Other

Websites, located through Search Engines (Google, Yahoo, etc.)  Never Sometimes Frequently Always
- Other

10. What kind of help would you consider most useful if you had trouble with bibliographic research?

<table>
<thead>
<tr>
<th>Least Useful</th>
<th>Useful</th>
<th>Most Useful</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom discussion directed by my professor.</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Individual consultation with my professor.</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Individual, one-on-one help from a librarian.</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Classroom presentation given by a librarian.</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>A skilled, experienced peer shows me what to do.</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

11. Please offer additional comments regarding your experience within the Chemistry major, especially experiences that helped you develop research skills and/or a growing ability to identify and integrate information related to particular interests or assignments.