

CH213L Search Strategy Worksheet – Shaking example

<https://www.alverno.edu/media/alvernocollege/library/pdfs/shakingexample.pdf>

Search Question: Write your research topic as a question. Be sure that your question accurately summarizes your research topic.

Does shaking increase the rate of fermentation of sucrose by yeast?

Key Concepts: Examine your research question, what are the key concepts? This chart will help you create a “word bank” of potential search terms.

Key Concepts	Synonyms, abbreviations, or alternate ways of phrasing
1. shaking	Collision, agitation, stirring
2. rate	Reaction rate, reaction time, rate of chemical reaction, speed
3. fermentation	Chemical reaction, enzyme-catalyzed reaction, alcohol production, ethanol production, CO ₂ production, carbohydrate conversion, alcohol fermentation
4. sucrose	Substrate, reactant, sugar, di-saccharide, C ₁₂ H ₂₂ O ₁₁
5. yeast	Catalyst, enzyme, eukaryotic microorganisms

For this assignment, books are best

Now that you’ve identified the key concepts in your research topic, it’s time to identify some broader concepts. Use broad concepts when searching for books or e-books that are available through the Alverno Library website: <http://www.alverno.edu/library/>

For example, you could try searching for books using the following terms: Chemistry, Biochemistry, Microbiology, Food Chemistry, Biology, Beer Science, Fermentation...

Use the terms from your “word bank” to look up information in the index of a book.

Example of a good book: *General, organic, and biological chemistry* - 540 S651 2013