

#1 WHEN GOOGLE DOESN'T WORK

OTHER QUALITY SEARCH ENGINES

Yahoo! search <http://search.yahoo.com>

- ? Huge (15 or more billion web pages)
- ? Relevancy ranking (word proximity and placement) - not popularity ranking
- ? Ads mixed in, pay-for-position
- ? Capitalize OR, AND, or AND NOT. Put parentheses around words joined by OR.
- ? No search-size word limit (Google limits you to 32 terms)
- ? Services and tools similar to Google's



Ex. 1: Differences between searching Google and Yahoo! Search
1. Parentheses around ORed terms – sometimes works without parentheses ("global warming" OR "greenhouse effect") rise "sea level" (california OR "los angeles" OR "san diego" OR "san francisco")
2. Supports intitle: site: inurl: hostname: (for entire site name - hostname:google.com)
3. Shortcuts available at http://tools.search.yahoo.com/shortcuts

Ask.com <http://ask.com>

- ? Subject-Specific Popularity™ ranking (links from pages on same subject as your search)
- ? Search results analyzed to provide:
- ? BROADER & NARROWER TERMS suggestions
- ? Smaller database than Google or Yahoo! - about 2 billion

The screenshot shows the Ask.com search interface for the query "nuclear proliferation". The search bar is at the top, with navigation links for "Web", "Images", "News", "Blogs & Feeds", "Shopping", and "More". A search button and an "Advanced Search" link are also present. Below the search bar, a red banner indicates "Web Search" and "Showing results".

Annotations with arrows point to specific features:

- "Other tools and services" points to the navigation links at the top.
- "Brief encyclopedia entry for some searches" points to the "Encyclopedia: Nuclear proliferation" result.
- "Suggestions to refine or broaden a search" points to the "Narrow Your Search" and "Expand Your Search" sections on the right.

The search results include:

- Encyclopedia: Nuclear proliferation** (Source: Wikipedia): Nuclear proliferation is the spread of nuclear weapons production technology and knowledge to nations that do not already have such capabilities. It has been opposed by many nations with and without nuclear weapons, who fear that more countries... [More »](#)
- Downloadable Papers** (Sponsored Results): Established site features papers on Nuclear proliferation. www.1millionpapers.com
- Nuclear Proliferation**: Research nuclear proliferation at the world's largest online library. www.quests.com
- www.NCI.org - The Nuclear Control Institute, Washington DC**: The NCI is an independent, non-partisan, and non-profit research and advocacy center specializing in problems of nuclear proliferation. www.nci.org/ - [Cached](#) - [Save](#)
- Nuclear Proliferation**: The implications of nuclear proliferation for international relations are difficult to predict, but evidently profound. jclasses.ucdavis.edu/POL-ARCHIVE001-2001-03-spmtech/nuclear.ht... - [Save](#)
- Safeguards to Prevent Nuclear Proliferation**: Safeguards to Prevent Nuclear Proliferation ... Most countries participate in international initiatives designed to limit the proliferation ... www.uct.ac.za/nip05.htm - [Save](#)
- Documents Relating to Nuclear Proliferation**: NUCLEAR PROLIFERATION: DIMINISHING THREAT? William H. Kincaid, INSS Occasional Paper 5 Proliferation Series, December 1995, USAF Institute for ... www.milohyoka.edu/acad/intel/prolif.htm - [Cached](#) - [Save](#)
- Cheer Google's coming; Fear nuclear proliferation**: ... an estimated 5,830 operational nuclear warheads and the U.S. some 10,000. The danger ... I fear all nuclear weapons, theirs and ... www.freep.com/apps/ptcs.dll/article?AID=20060718/OPINION04/00716... - [Save](#)

On the right side, there are sections for "Narrow Your Search" and "Expand Your Search".

Narrow Your Search

- [Reasons for Nuclear Proliferation](#)
- [Nuclear Proliferation News](#)
- [Nuclear Proliferation Treaty](#)
- [Nuclear Weapon Proliferation](#)
- [Definition of Nuclear Proliferation](#)
- [Nuclear Proliferation in India](#)
- [Nuclear Proliferation Iran](#)
- [How Is Nuclear Proliferation Controlled?](#)
- [North Korea, Nuclear Proliferation](#)
- [Cross of Nuclear Weapons Proliferation](#)

Expand Your Search

- [Make a Nuclear Weapon](#)
- [Plutonium](#)
- [Countries Nuclear Weapons](#)
- [Nuclear Weapons Ethics Or Ethical Issues](#)
- [How Many Religions Are in the United States?](#)

Each section has a "More »" link.

No differences between basic searching in Google and searching Ask.com.

#2 RECOMMENDED SUBJECT DIRECTORIES for QUALITY RESEARCH

GENERAL SEARCHING TIPS for ALL DIRECTORIES

- ? Keep search terms **broad**: the concept, the discipline, the broad subject, what it's about
- ? If you know a subject pretty well, try **browsing** subject categories
- ? Use the tables in the handouts for search tips: directories are **even less standardized than search engines**

LIBRARIANS' INDEX <http://lii.org>

More than 16,000 carefully selected and evaluated resources

- ? Search by keywords (default)
 - AND between words is assumed
 - STEMS allowing singulars and plurals and often more than you expect
 - #2 Sample searches
 - nuclear proliferation**
- ? #3 Click on **Topics** links under descriptions for related subjects
 - weapons**

INFOMINE <http://infomine.ucr.edu>

About 120,000 research university level sites, heavily annotated, and cataloged in LC classification. Divided into several databases by subject. Search all from the box at the URL above.

- ? Search all databases by keywords, subjects, titles, authors (default)
 - * truncates (*river** gets rivers, Riverside, etc.)
 - | | requires phrase or string (*/rivers/* gets only rivers; */new mexico/* excludes Univ. of New Mexico)
 - #4 Sample searches
 - nuclear proliferation**
 - nuclear weapons**

ACADEMIC INFO <http://www.academicinfo.us>

Collection of about 25,000 college and university level sites, databases, gateway pages, and more -- classified by academic disciplines or interests.

Browse by subjects is recommended approach. Follow links at top to types of sites, including invisible web databases.

- ? Click on Browse by subjects to get A-Z Subject List <http://www.academicinfo.net/table.html>
 - #5 Click on **Nuclear studies**

#2 LARGER, LESS EVALUATED DIRECTORIES

GOOGLE DIRECTORY <http://directory.google.com>

Over 4 million sites, with Google's popularity ranking

- ? Use broad, not too specific searches
- ? Can be browsed from <http://directory.google.com> or by clicking on one of the directory links in results.
- ? Click subject categories to look at subjects within the directory sites

**#6 women's studies afghanistan
nuclear proliferation**

ABOUT.COM <http://www.about.com>

Over 1 million evaluated sites by about 1,000 guides. Quality uneven.

Click on the guide's name to explore his or her credentials to be an expert in any subject you explore.

- ? Search a topic – a collection of guides

#7 Search examples:

buddhism

Below sponsored links, find general introductory and other information

YAHOO DIRECTORY <http://dir.yahoo.com>

About 2 million UNevaluated sites, mostly commercial, popular, or of mainstream interest. Some good things.

You cannot get there using www.yahoo.com because this becomes Yahoo web search.

- ? Search a topic or search for **web directories**
- ? Click subject categories to look at subjects within the directory sites

#8 Search examples:

nuclear proliferation

nuclear web directories

nuclear databases

women afghanistan

Web Page Evaluation Checklist

1. Go to Google and perform a search on a controversial topic, such as:
"nuclear armageddon" or **prions danger** or **"stem cells" abortion**
2. Use this Checklist to try to evaluate systematically some of the search results.

	Title of page you are evaluating:	Title of page you are evaluating:
1. Look at the URL:		
Personal page or site?	<input type="checkbox"/> ~ or <input type="checkbox"/> %, or <i>users, members, or people</i>	<input type="checkbox"/> ~ or <input type="checkbox"/> %, or <i>users, members, or people</i>
What type of domain is it? Appropriate for the content?	<input type="checkbox"/> .com <input type="checkbox"/> .org/net <input type="checkbox"/> .edu <input type="checkbox"/> .gov/mil/us <input type="checkbox"/> non-US _____ <input type="checkbox"/> other:	<input type="checkbox"/> .com <input type="checkbox"/> .org/net <input type="checkbox"/> .edu <input type="checkbox"/> .gov/mil/us <input type="checkbox"/> non-US _____ <input type="checkbox"/> other:
Published by entity that makes sense? Does it correspond to the name of the site?	Publisher or Domain Name entity:	Publisher or Domain Name entity:
2. Scan the perimeter of page, looking for answers to these questions:		
Who wrote the page?	<input type="checkbox"/> E-mail <input type="checkbox"/> Name:	<input type="checkbox"/> E-mail <input type="checkbox"/> Name:
Dated?	Date _____ Current enough?	Date _____ Current enough?
Credentials on this subject? <small>(Truncate back the URL if no useful links.)</small>	Evidence?	Evidence?
3. Look for these indicators of quality		
Sources well documented?		
Complete? If 2nd-hand information, is it not altered or forged ?		
Links to more resources? Do they work?		
Other viewpoints? Bias?		
4. What do others say?		
Who links to it? <small>Hint: In Google search: <i>link:all.or.part.of.url</i></small>	Many or few? Opinions of it?	Many or few? Opinions of it?
Is the page rated well in a directory? <small>http://lii.org or http://infomine.ucr.edu or http://about.com</small>		
Look up the author in Google		
5. Does it all add up?		
Why was the page put on the Web?	<input type="checkbox"/> Inform, facts, data <input type="checkbox"/> Explain <input type="checkbox"/> Persuade <input type="checkbox"/> Sell <input type="checkbox"/> Entice <input type="checkbox"/> Share/disclose Other:	<input type="checkbox"/> Inform, facts, data <input type="checkbox"/> Explain <input type="checkbox"/> Persuade <input type="checkbox"/> Sell/entice <input type="checkbox"/> Share/disclose Other:
Possibly ironic? Satire or parody?		

BOTTOM LINE: Is the web page as good as (or better than) what you could find in journal articles or other published literature that is not on the free, general web?