

Google.com Worksheet

Key Concepts

A key concept should be a single word or a phrase. A phrase usually does not have verbs, articles, or prepositions.

1. Before searching google circle the key concept(s) in the following sentences:

A. *What is the effect of aspirin on blood clotting?*

B. *How many college basketball championships has UCLA won?*

C. *Do ants sleep?*

Key Concepts according to google

2. Type the sentence from question 1A into google. How many results do you get?

3. What key concepts did google identify? Write them below.

(Look at the first page of google search results for words in bold, however, if it is present you don't want to look at the link that has the book icon next to it.)

Are these concepts the same as the ones you identified? Yes or No

Does google automatically search for alternate forms of a word? Yes or No

What are stop words? Words that are not key concepts and therefore are not included by the search engine in searching the database.

Rule – Stop words: Google replaces every stop word with a space.

Rule – AND: When google sees a space it automatically inserts a Boolean AND.

Phrase searching

Enclose the words in double quotes
Example "star wars"

4. Type *effect aspirin "blood clotting"*. How many results do you get?

Is this different from your answer in #2? Yes or No

If yes then is it more or less than your answer in #2? More or Less

Allintitle: searching

Examples: allintitle:caffeine
allintitle:notre dame
(no space on either side of the colon.)

5. How many web pages have the two key concepts (aspirin blood clotting) in their title?

Google will search for words in the title of a web page. The title of a web page is found above the url at the very top of the web page.

Synonyms according to google

Precede the term with a tilde
Example: ~caffeine

6. Find synonyms for the following words.

Look at the first google search results page. The synonyms are in bold.

Aspirin

Blood

Caffeine

Pork

Clotting

Clot

6B. Are there any system-generated synonyms that don't look like synonyms? Yes or No
Circle those odd synonyms in your answers in 6A.

OR searching

Must capitalize OR otherwise google will discard the term & do an AND search instead
Example: Christmas OR Easter dinner

Sometimes using ~ to search for synonyms does not include a synonym that you want to search for. This is when you will want to use the Boolean OR operator.

7. A. Type *ham or pork*. How many results?

B. Type *ham OR pork*. How many results?

Did you get the same number in 7B as in 7A? Yes or No. If no then why not?

Define: searching

Example: define:caffeine

8. What is the definition of the following words?
(If there is more than one definition then pick the shortest one.)

Defenestration

Orienteering

Lewy Body

Boolean Operators (AND, OR, NOT) and Phrases in google.com

Separate your key concepts with a Boolean operator.

AND A space between words is the same as AND between each word.
Example: notre dame

OR Must capitalize OR otherwise google will discard the term.
Example: (ham OR pork) dinner

NOT Precede the unwanted term with a minus sign.
Example: "star wars" -movie

Phrases Enclose the words in double quotes.
Example: "star wars"

Searching the web

Remember to follow these steps

2. Identify the key concepts.
3. Are there any synonyms or related terms for the concepts?
- 4a Determine which operators to use.
- 4b. Do you need to search for a phrase?
5. Evaluate your answers to see if you need to modify your search strategy.

9. What movies were nominated for a 2001 Academy award in the category of Best Picture?

Write one movie title.

10. Find a guide to semiconductor physics.

Write the title of one web page.

11. At a family reunion you and person X have the relationship of first cousin once removed. Find a chart that shows this relationship.

Write the url of that page.

12. How popular or common is your first name?

Write the rank of your first name and the name or url of the web site giving the rank.

Write your answer on the blackboard.

Google Calculators and Conversions

Write the answer for each question.

13. What is the square root of 533.61? Type $\text{sqrt}(533.61)$

14. What is 9 raised to the power of 4.53? Type $9^{4.53}$

15. What is 5367 multiplied by 279? Type $5367 * 279$

16. What is the natural log of 68.34? Type $\ln 68.34$

17. What is 7,650 divided by 23? Type $7650/23$

18. The dimensions of a football field are 160 feet by 360 feet. What is the area?
(use what you have learned from questions 13-17)

19. How many square feet are in an acre? Type *square feet in acre*

20. How many acres are needed for a football field?
(use what you have learned from questions 13-19)

21. I have 5,000,000 Japanese Yen. How much US money do I have? Type *5,000,000 yen in usd*

22. I want to exchange \$500 for British pounds. How many British pounds do I get?
(notice the pattern in Q19 & Q21)

23. On a trip to Canada, the weather report on radio says the day is going to be a hot one, 38 Celsius. How hot is this in Fahrenheit?
(notice the pattern in Q19 & Q21)