

The Great Atomic Debate

Write a skit based on the following story line: Through the miracles of time travel, Aristotle (~350 B.C.) goes back to even more ancient Greece to tell Democritus (~450 B.C.) how crazy his ideas about atoms are. Upon hearing this, John Dalton (~1800) travels through time to Ancient Greece to set the record straight.

Use reference materials to get the facts and ideas Democritus, Aristotle, and Dalton will present in their debate. Some internet sources are:

- ✍ The Birth of the Atom <http://members.aol.com/profchm/democ.html>
- ✍ Atomistic Theory <http://www.hcc.hawaii.edu/hccinfo/instruct/div5/sci/sci122/atomic/alchemy/alcat.html>
- ✍ Leucippus and Democritus <http://www.thebigview.com/greeks/democritus.html>
- ✍ Aristotle's Elements <http://www.hcc.hawaii.edu/hccinfo/instruct/div5/sci/sci122/atomic/alchemy/alcaerielem.html>
- ✍ Who was John Dalton <http://www.daltonics.bruker.com/dalton.htm>
- ✍ Dalton's Atomic Theory <http://antoine.fsu.umd.edu/chem/senese/101/atoms/dalton.shtml>

Use search engines to find additional information. Some search engines are:

- ✍ Google <http://www.google.com>
- ✍ Alta Vista <http://www.altavista.com/>
- ✍ Go.com <http://www.go.com/>
- ✍ HotBot <http://hotbot.lycos.com/?query=>
- ✍ Lycos <http://www.lycos.com/>
- ✍ Yahoo <http://www.yahoo.com>
- ✍ Excite <http://www.excite.com>
- ✍ Webcrawler <http://www.webcrawler.com>
- ✍ Metacrawler <http://www.metacrawler.com>
- ✍ Dogpile <http://www.dogpile.com>

When you use search engines consider the following:

Search engines will find all documents that have any of the search terms you list unless you refine your search. On search engines such as Google and Alta Vista, it is good technique to refine your search by using plus signs (+), minus signs(-), and quotation marks. A plus sign immediately before a term eliminates all results that don't have the term. A minus sign eliminates all results that do have the term. Quotations limit the search to documents that have your exact quote.

The search terms +*"Statue of Liberty"* +*corrosion* -*industry* found articles dealing with corrosion of the Statue of Liberty, and eliminated at least one advertisement about pipe corrosion that only referred to the Statue of Liberty as an example.