

Chemistry Research Paper

Paper Requirements: The content of all papers must be at least 4 typed, double-spaced pages in length. Diagrams/illustrations can only replace half a page of text, so you must WRITE at least 3 1/2 pages using normal fonts (12 point Times, for example) and margins (normal margins are 1 inch or less, and I will check them). Any diagrams or illustrations that take up more than half a page may be used, but the excess will not count toward the minimum length of your paper. Papers must be written in *your own words*, if you don't understand something about the information you found, then don't use it. Spelling and grammar count, please use complete sentences and paragraphs, NOT LISTS. Proof read your paper after you write it!!! Please use, but do not rely on spell-check. You must have at least 4 sources of information and one of them must be a text resource (a book). Wikipedia is not a text resource, however encyclopedias like Britannica on CD-ROM or online are considered text resources. Please use a title page for your name and the title of your paper (your name and title should be on ONLY the title page). Please use a bibliography page to list the sources used, which will give you a minimum total of 6 pages. If you use quotations from your sources, please cite those sources using footnotes with your bibliography or as in-page citations. Remember that these requirements count toward your grade on the paper, so I hope you read this paragraph, because I don't like to just type lots of words for the fun of it ☺.

The following list will give you an idea of topics for your report (you may choose a topic not on the list):

- Compounds or a class of compounds (salts, sulfuric acid, caffeine, etc...)
- A chemical process or procedure (types of water purification, the process for making ammonia, how a nuclear reactor works, chemical tests like emission spectroscopy)
- Medical information/conditions/procedures—BUT you must focus on the chemistry, not the biology
- Current chemical research or types of chemistry
- Pollution/environmental chemistry
- Chemistry in different areas of life (chemistry in art, chemistry in medicine, chemistry in engineering, food chemistry, chemistry of cleaning supplies etc...)

Optional: If you would like you to participate in the Cornerstone science fair this year (or if your parents would like you to participate), you may use this research paper as an opportunity to do research toward your science fair project and document any experiments/results as part of your paper. Extra credit for the class is possible with this option.

Deadlines/due dates:

Paper topics must be chosen by *January 28*

Papers due on *March 10*

Science fair (tentatively scheduled for) *April 7*