

Research Projects

Since chemistry is an applied science, you will submit three (3) projects that reflect how you understand and use what you are learning toward separate applications. One must illustrate the application of chemical knowledge toward technology, the second toward the environment and the third toward health. The submission of these projects can be written, information technology/multimedia based or orally presented to the class. Content will be graded as well as format and style. Remember that quality, not quantity is more important!

WRITTEN: The following format will be required for your written report which is to be between 8-10 pages, one and a half spaced lines with three-quarter inch margins:

1. **Abstract-** A very brief summary of research project including data and conclusion(s)
2. **Introduction-** Briefly state the background and history (if any) of your topic and why it was selected
3. **Procedure-** State any work done (*i.e.* how/where research conducted, data collection and processing/analysis methods)
4. **Conclusions-** State any conclusion(s) you can draw from your research
5. **References-** Properly site all references including those from magazine articles, TV, research publications, etc... see me for details if you are not sure about format!

MEDIA BASED: Submission of multimedia based report will be accepted. Much of the same format as required for a written report is required, but with an audio-visual presentation. PowerPoint or similar types of presentation report is acceptable.

TOPICS: Choose three out of the four following topics:

1. **Pseudoscience-** Are claims for a product too good to be true?
2. **Health or medical-** What is the basis for a health issue or medical product?
3. **Environment-** What is the chemical explanation for an environmental issue?
4. **Technology-** What is the chemical basis for technological products?