Chemistry 108: The Chemistry of Everyday Phenomena
Paper Ideas Part Four

Due: Tuesday, April 21st, 11:00am

Please choose one of the three topics below for your fourth paper.

Note: Do not merely answer these questions given in the description in the given order, but write a coherent paper that addresses these issues. The paper must be typed, should not be longer than 5 pages (double spaced, reasonable margins), and must include at least 2 references (valid web references are fine). The work must be your own.

Note regarding references:
- Using web references as your sources are okay, but make sure they are valid. For example, listing Wikipedia or Google as your reference is NOT valid. You can start there but you must move to a link that contains an article written by a valid author.
- You must cite your references throughout your paper (by author) and include a bibliography at the end. I am not picky about the format (use MLA or whatever you're used to) but the bibliography must include the author’s name, article/book name, website address (if applicable), publisher (if applicable), and copyright date/accessed date.

Paper Idea I:
Write a paper on forgeries. Here are some questions to consider:
- How are forgeries detected in art?
- How are forgeries detected in written ink?
- How are forgeries detected in typed ink (from a computer)?
- How are forgeries detected in stamps?
- How are forgeries detected in money?

You can choose to write a paper that addresses all five of these questions or you can choose to address one of these questions in great detail. Either way, be sure to include the scientific methods used within your paper.

Paper Idea II:
Write a paper on one specific criminal case that was solved by scientific techniques. Include a brief background of the crime, the techniques that were used to solve the case, and a description of the science behind the techniques.

Paper Idea III:
Write a paper on alcoholism. What is it? What are the physical effects of alcohol abuse, both in the short-term and long-term? What are the emotional effects of alcohol abuse? What are some ways to treat and overcome alcoholism? Include a discussion of drug treatments used to overcome alcoholism along with how these drugs work.