Sea Water Analysis Pre-lab (Due Wednesday, May 15)

Turn in at Discussion

This week you need to write up lab procedures for your sea water analysis lab, as well as a list of chemicals and equipment that you will need for the lab. The following week we will be testing these procedures, and the last week you will be performing your experiment to collect data with real sea water samples.

Procedures:
Dr. Corn has provided papers on the handouts section of the website. Find the paper that relates to the experiment that you have been assigned. These papers are not procedures, and must be modified to fit the experiment that you need to perform. You can NOT just write down what they have done in the paper. I encourage you to also look online for other papers that deal with analyzing the compound you will be looking for. From these papers you will develop your own experiment.

What you need to turn in on Wednesday, May 15th:

- A list of chemical and equipment that you will need to test your procedures.
  - Decide what you will use as a standard
  - Do you need any buffers?
  - Do you need any indicators?
  - Do you need any special solutions for calibrating your instruments?
  - What instruments will you be using?
- Procedures
  - What are you using as your detection method?
  - List how to set up any apparatus’s
  - Do you need to calibrate anything?
  - What concentrations of solutions will you be using?

Make sure that your procedures are detailed enough that another student could use them to perform the experiment (without having prior knowledge of the experiment).