

Essay question for the final exam

CHM 105

Fall 2015

Write a paper in which you first describe the investigations you completed with the Hampshire High School students and the chemistry concepts involved in the investigations. Working with your high school groups, you collected and tested the quality of surface water, you cleaned up a water sample, you conducted flame tests, and you prepared standards to determine the concentration of 14 metal ions in drinking water. Although you did not complete the analysis of the drinking water due to instrument malfunction, you did use the ICP to analyze for several metal ions in different types of salt so you have experience with how to interpret results from the ICP.

Then write what you think the students from Hampshire gained from their experience working with you at Harper. Consider the following questions as you write this part of the paper.

- How effective were you facilitating their involvement in the investigations?
- Did you feel like you knew what you were doing and could therefore help the high school students understand the investigations?
- What do you think were the most significant aspects of the experience for the high school students?
- What do you think were the most significant aspects of the experience for you?
- What would you change about the experience if you had the opportunity to do this again?