

# MEMORANDUM Chemistry Department

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To: Bill, Nellie, Melissa, Carolyn, and Randy  
From: John I. Gelder  
Date: May 2, 2001  
Re: Grading PS#13

## **STAFF MEETINGS...FRIDAY, MAY 4, 2001, 12:30 p.m. PS117.**

The answers to PS #13 are attached. Students only had to do PS13.1 – 3, 4a and 6a. None of the other problems should be graded. After reviewing the problem sets I have decided we should grade problems PS13.1, PS13.2, and PS13.9 for 3 points. The maximum possible on the problem set is twelve points. The remaining three points are awarded on an all or nothing basis for completion of the remaining problems. Note: If the word 'Late' is written at the top of the Problem Set grade as usual but deduct 3 points from their total. Note: 'Late' means the student found me at the end of class or immediately after class. I will not accept Problem Sets more than a few minutes after class is over, and such cases will have a minimum of 3 points deducted from their score.

Please return the graded problem sets to your students in laboratory next week. Be sure to record the scores for each student.

Copies of the answers and the grading memo are on the WEB.

### **Grading the Review Problem Set**

- PS13.1 **3 points** 1 point each for parts b, c and e. Be sure most if not all of the work is shown for each part. Check charges, equilibrium expression assumptions, ICE table, calculation. If problems are correct but some of the above are missing, deduct 1 point overall.
- PS13.2 **3 points** 1 point each for parts b, c and d. The net ionic equation should be written for each part. Students do not have to reproduce the answers to the detail I have them in the key.
- PS13.3 **3 points.** Grade part a, b (4.0 mL) and f. Each for 1 point. Part a should be pretty straightforward. If the dissociation equation and ICE table are not there, no big deal. In part b the neutralization equation must be there. What out the student divides the final mol by the total volume of the solution. In f the titration curve does not have to have all the data points I have, but is should have the points generated from parts a, b, d and e. It should have the axis labeled and it should look like a titration curve. They did one of these last week in lab so be picky for the point.
- 3 points** For attempting the remaining 7 problems. Remember each problem must have an answer, an attempt. If the student writes nonsense for any of the other answers deduct the 3 points.