

MEMORANDUM Chemistry Department

To: Bill, Nellie, Melissa, Carolyn, Randy
From: John I. Gelder
Date: March 14, 2001
Re: Grading PS#6

STAFF MEETINGS...FRIDAYS, 12:30 p.m. PS117.

The answers to PS #6 are attached. After reviewing the problem sets I have decided we should grade problems PS6.1, PS6.6, and PS6.7 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

- PS6.1 **3 points** 1 point each for parts a, b and c. Watch out for b that the mol of particles are used in the denominator of the mol fraction of water. R/W
- PS6.6 **3 points** 1 point for the correct molality (must show the calculation), 1 point for the calculated ideal freezing point ($i = 2$), and 1 point for recognizing the reason for the difference is that ion-pairing occurs in solution and the experimental I value will be less than the theoretical.
- PS6.7 **3 points.** 1 point each for part a, c and d. Pretty much R/W. The calculations **MUST** be there for the point in part a).
- 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.