MEMORANDUM

Chemistry Department

To: Ben, Cory, Molly and Peter

From: John I. Gelder

Date: February 9, 2002

Re: Grading and returning PS #3

The answers to PS #3 are attached. After reviewing the problem sets I have decided we should grade problems 3.2, 3.6, and 3.9 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.

If you have any questions about the grading procedure described below, please see me. Please do not assign any fractional points. Use a holistic approach, if the student's answer is not quite correct you must make the decision if it is at least half right in which case give the student the point. However, on the next occasion (in the same grading session) that you have to stop and ask yourself whether the student should receive the benefit of the doubt, do not give them the point. Reverse this procedure if for the first time you decide not to give them the benefit of the doubt, the next occasion give them the point. If the PS is marked LATE, deduct the 3 points for completion

Please return the graded problem sets to your students 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

PS3.2 **3 points** Grade part b only. There are 7 structures and 7 names, deduct 1 point for the first two errors, deduct the second point after 5 errors, and deduct the last point after 10 errors.

PS3.6 **3 points**. Grade parts b, c and e(HF). Each for 1 point. 1 point for the correct intermolecular attractive forces (both in part b and c), and correctly identifying which is most important. If the students accidentally does not identify the most important IMF deduct only 1 point. In part e be sure the structures are aligned so the the F atom in one molecule is close to the H atom on an adjacent molecule.

PS3.9 **3 points**. Grade parts a, b, and d. 1 point for each part. Both the correct choice with the correct explanation are needed for each point.

3 points For attempting the remaining 5 problems. Remember each problem must have an answer, an attempt. If the student writes nonsense deduct the 3 points. Since several plots are required in this problem set, deduct the three points if the plots are not included.