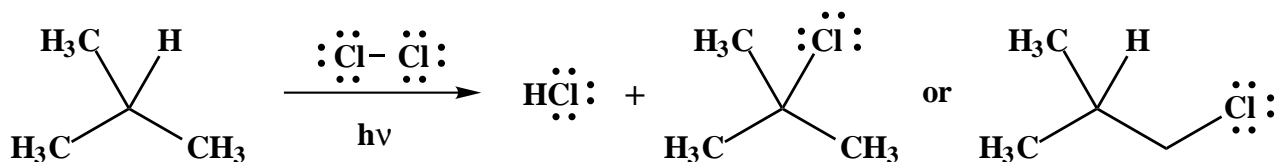


An example from the Fall 1997 Hour Examination #1:

2. (25 points)

Draw the mechanism of the following reaction, using the curved-arrow notation to indicate the reorganization of electron density. Draw **all** intermediates and denote **all** lone pair electrons and unpaired electrons. Clearly show at least two termination steps.



An example from the Fall 1997 Hour Examination #2:

6. (20 points)

Use a three-dimensional drawing and the curved-arrow notation to depict the mechanism of the following elimination reaction. Denote **all** lone pair electrons, formal charges and countercharges. (Hint: Remember cyclohexane conformational analysis.)

