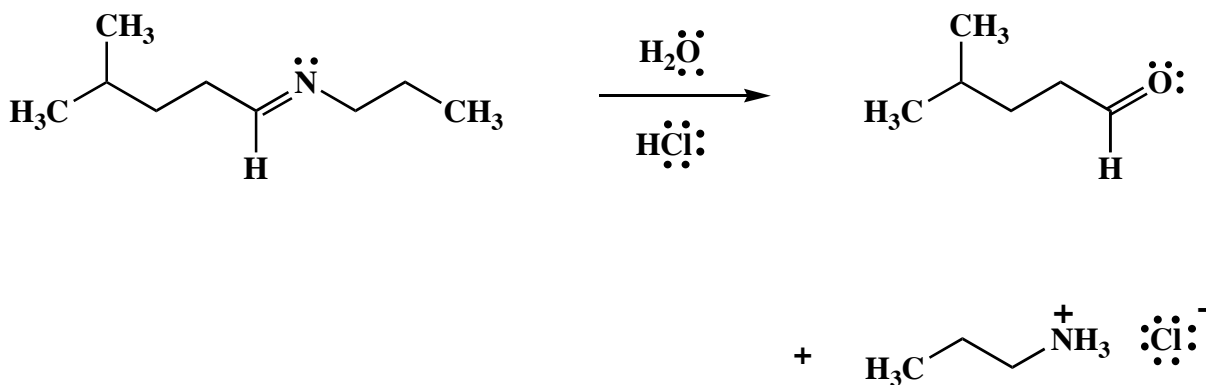


Quiz #2

1. Draw the mechanism of the following reaction, using the curved-arrow notation to indicate the reorganization of electron density. Denote **all** intermediates, lone pairs, nonzero formal charges, countercharges, and reversibility or nonreversibility.



2. Draw the specific reagents necessary to effect the transformation shown. Be certain to distinguish individual steps clearly, and draw all stable synthetic intermediate compounds. (N.B. Do **not** draw mechanisms.) Explain clearly why the final product is racemic.

