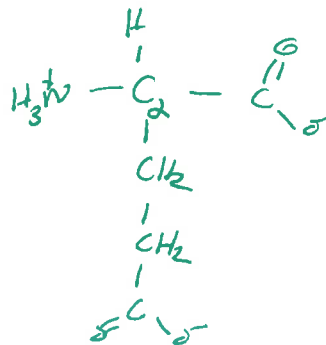


Name: Key

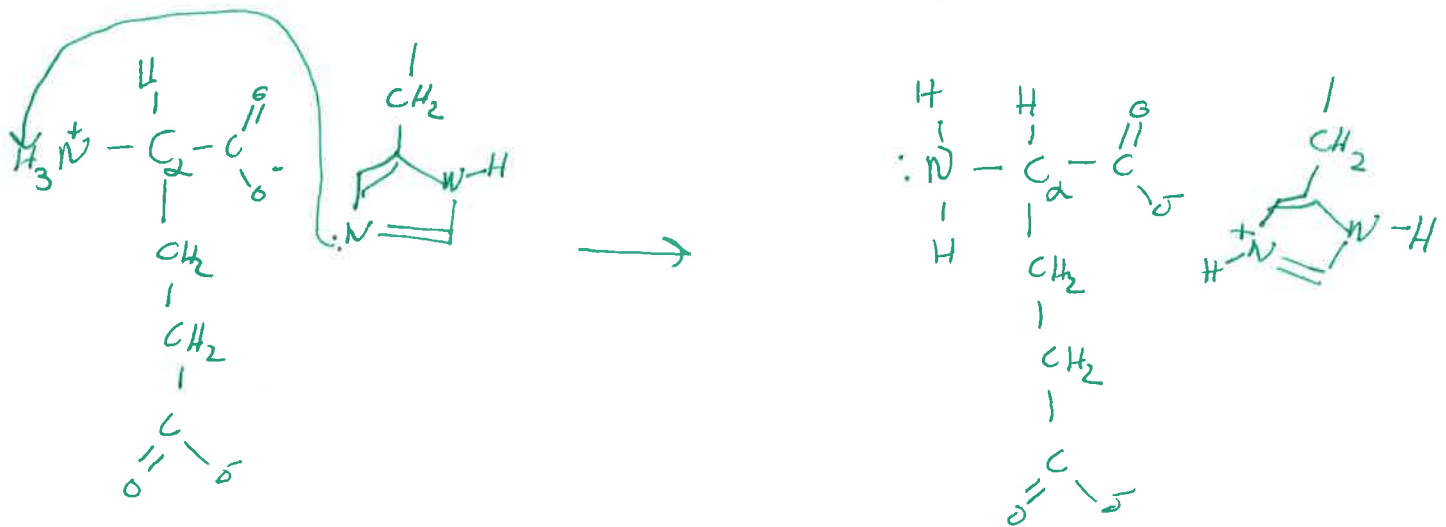
Quiz 35

1. Draw glutamate.



The active site of glutamate dehydrogenase contains a histidine and a binding site for NADP⁺.

2. Use the histidine to deprotonate the ammonium cation of glutamate.



3. Oxidize glutamate by forming an imine and transferring the α -carbon hydride to NADP⁺.

