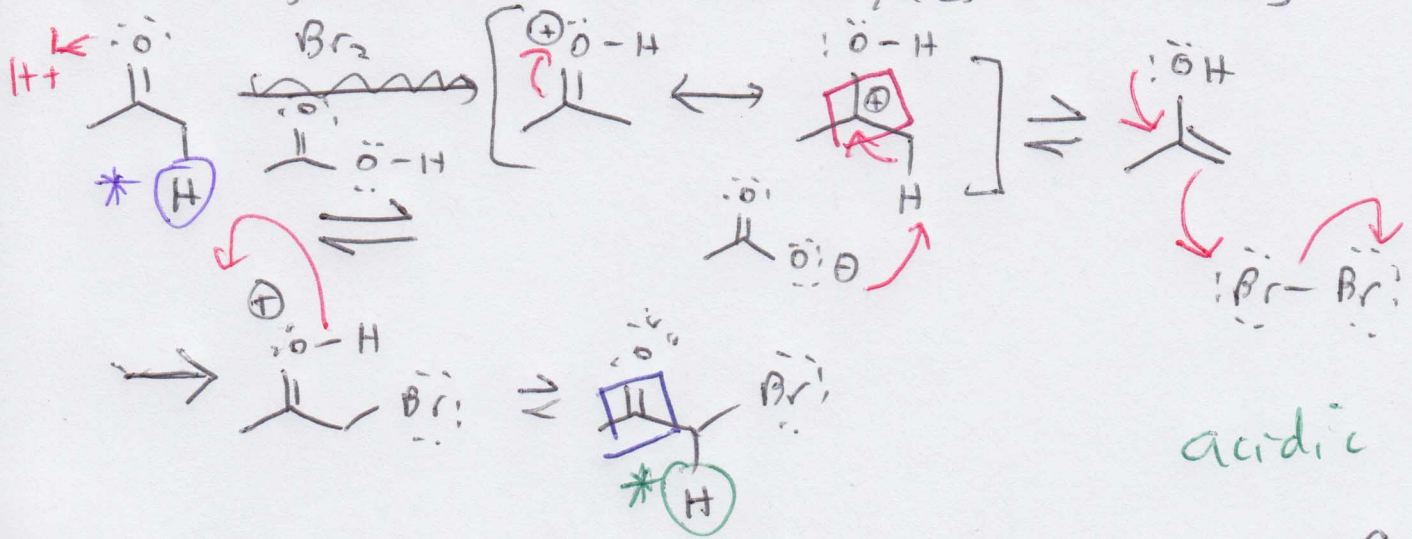
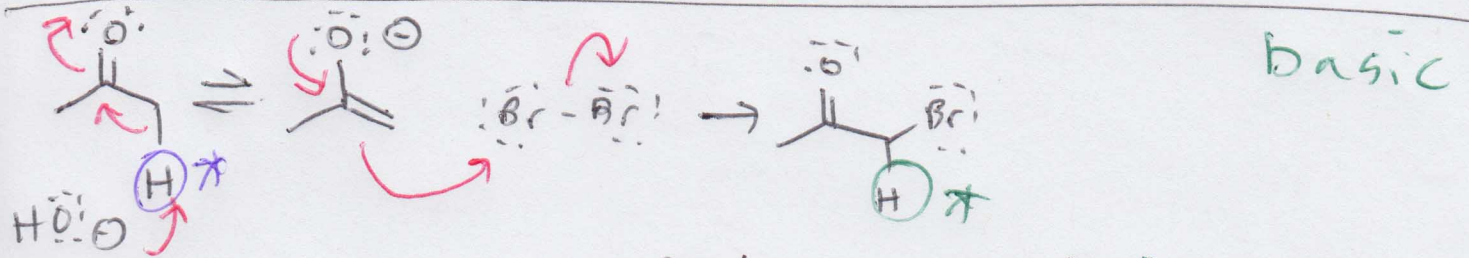


4/24/12

2-halogenation of aldehydes & ketones



The product that forms is unlike to react further, since the halogen creates a δ^+ center immediately next to the carbonyl (\square), making the $C=O$ less likely to open/react.



The circled α -proton of the product (H) has a lower pK_a (more acidic) than the α -proton of the starting compound (H). Because the product is in the same rxn conditions as the original starting material, it will react further.

