

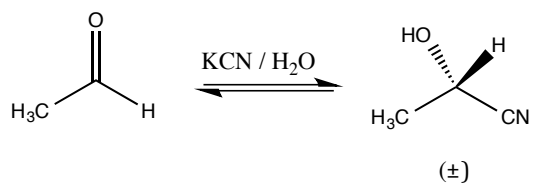
## Chem 345 – Organic Reactions Chapter 19

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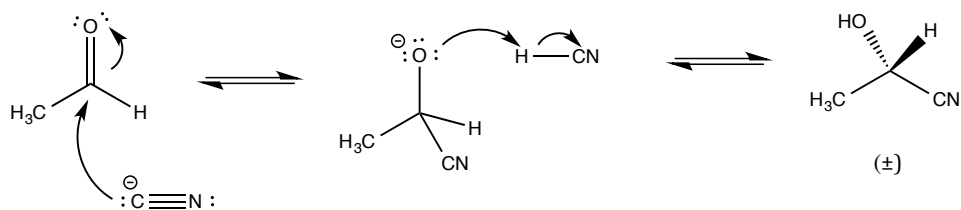
<http://www.chem.wisc.edu/areas/clc> (Resource page)

### Cyanohydrin Synthesis

Reaction:



Mechanism:



The reaction is carried out in slightly basic conditions to make the  $\text{CN}^-$  more nucleophilic. Under slightly acidic conditions the  $\text{HCN}$  does not dissociate much,  $\text{pK}_a = 9.4$ .