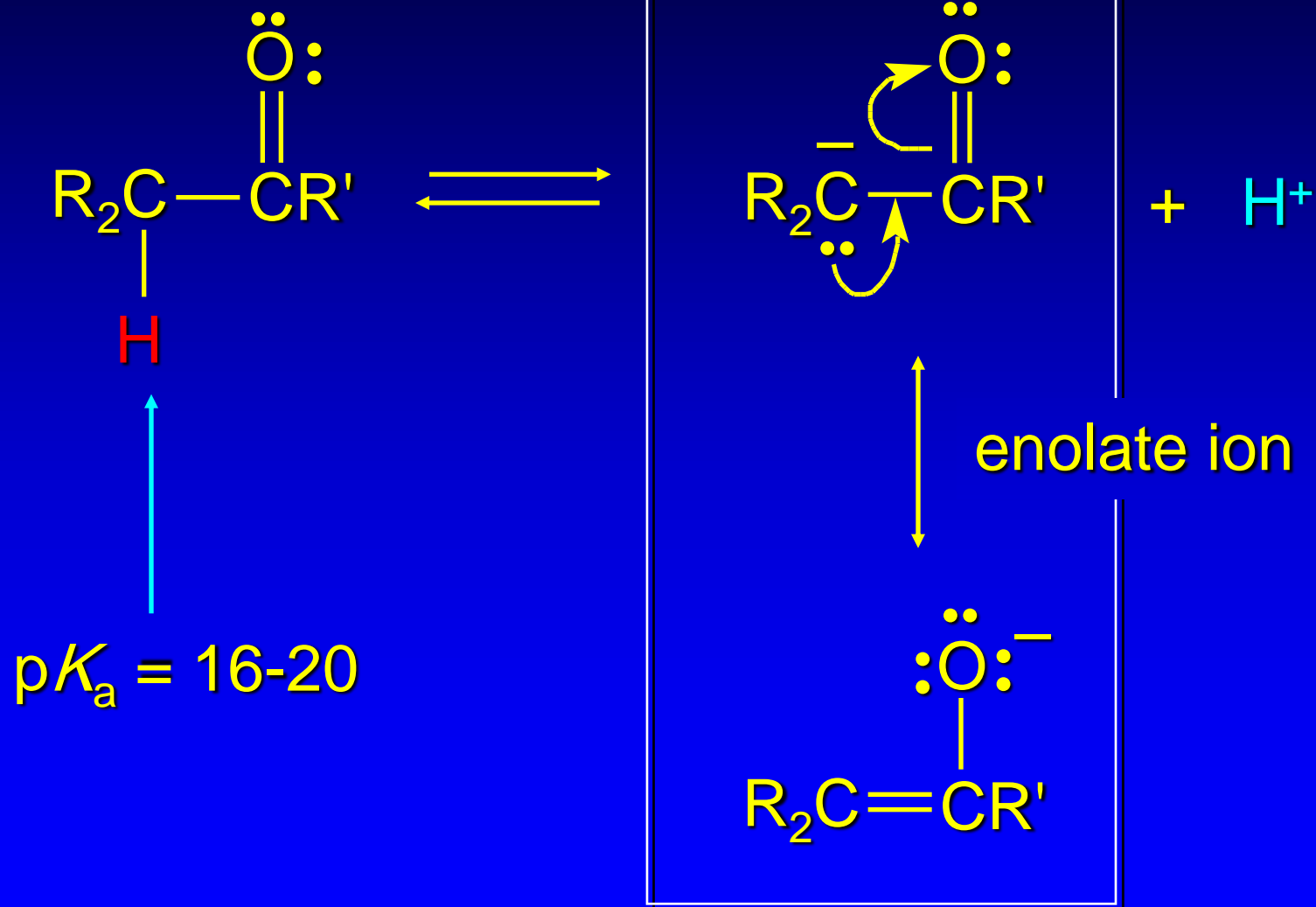
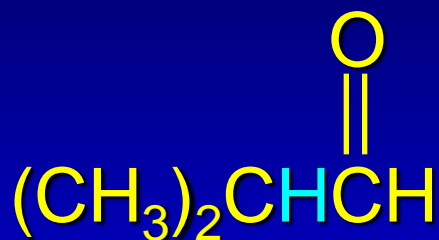


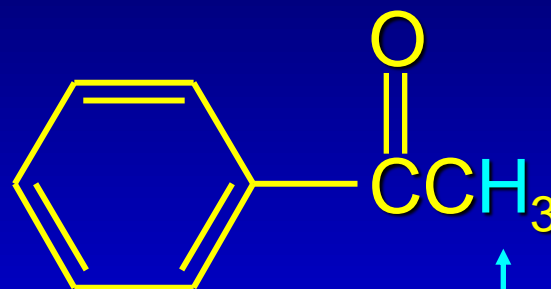
Acidity of α -Hydrogen



Acidity of α -Hydrogen

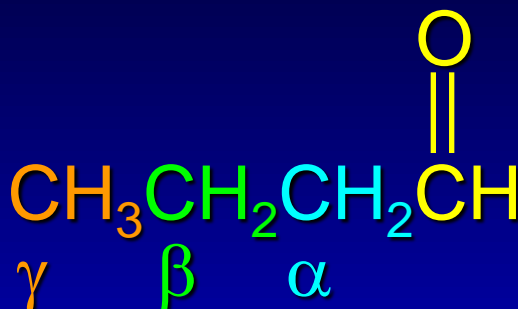


$\text{p}K_{\text{a}} = 15.5$



$\text{p}K_{\text{a}} = 18.3$

Terminology



The reference atom is the carbonyl carbon.

Other carbons are designated α , β , γ , etc. on the basis of their position with respect to the carbonyl carbon.

Hydrogens take the same Greek letter as the carbon to which they are attached.

β -Diketones are much more acidic

