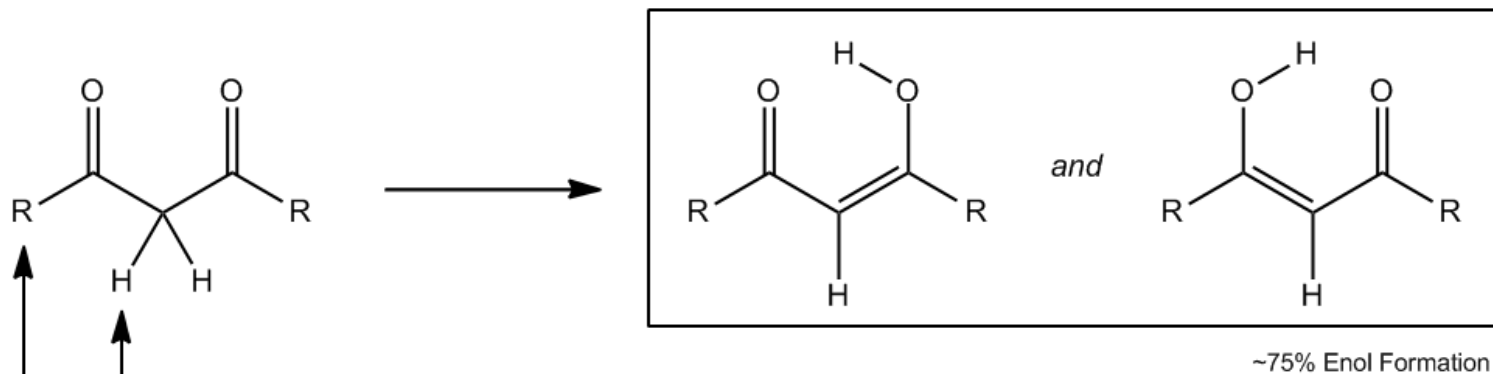


## CONCEPT: TAUTOMERS OF DICARBONYL COMPOUNDS

- Most carbonyl compounds favor the \_\_\_\_\_ tautomer
- $\beta$ -dicarbonyl compounds favor the \_\_\_\_\_ tautomer due to \_\_\_\_\_ and \_\_\_\_\_



- $\beta$ -dicarbonyl compounds are exceptionally acidic due to the high stability of the conjugate base
- If the  $\alpha$ -carbon exists as a chiral center, that carbon will *ALWAYS BE* \_\_\_\_\_

**EXAMPLE:** Which of the following ketones is the most acidic?

