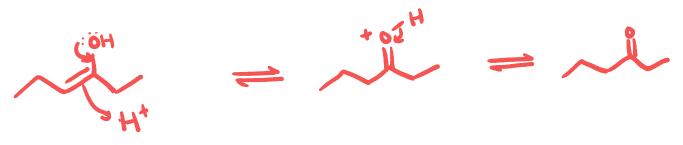
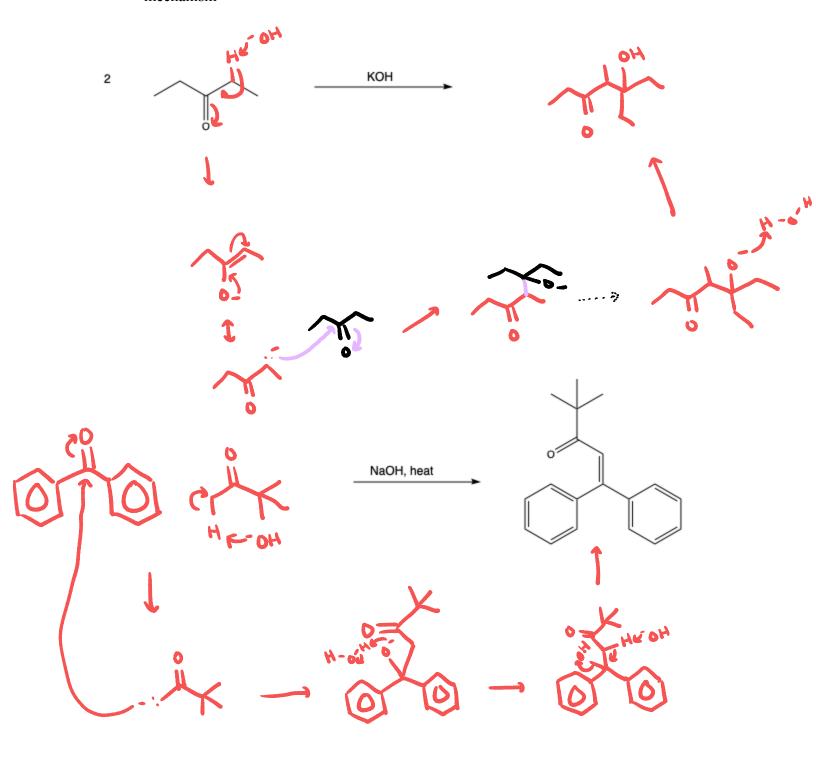
CHEM 2300 Solution 11

1. Name/Draw the following molecules

2. Draw the mechanism from (Z)-hex-3-en-3-ol to 3-hexanone with acidic conditions



3. Give either the starting material or product to the following aldol reactions, draw the mechanism



- makes 7 membered ring

- makes 5 membered ring (more stable)

conjugate base is more orable

4. Why are carboxylic acids more acidic than alcohols?

5. Give the product for the following reactions. Draw the mechanism for the second one