

# Acid-Base catalysis

- Enzymes use amino acid residues as proton acceptors/donor to aid in catalysis

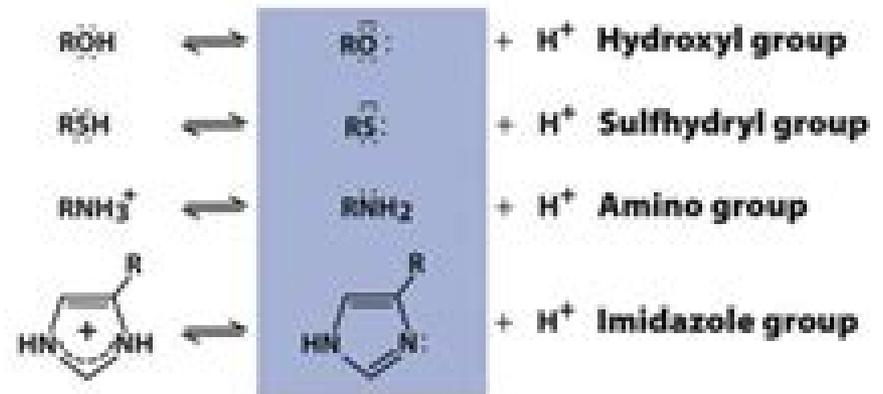
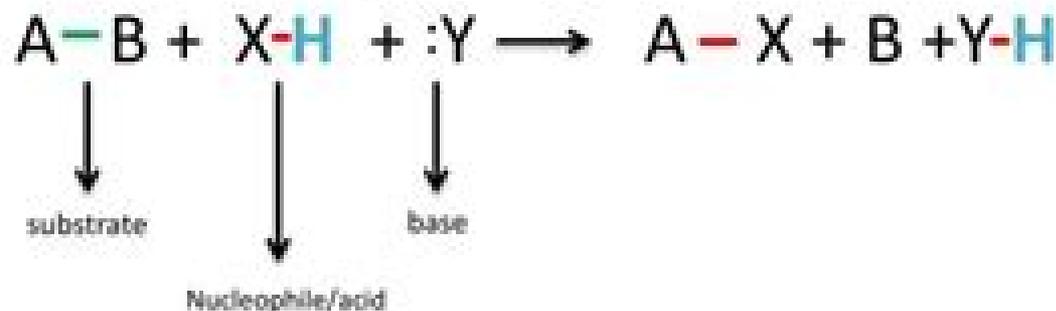


Figure 11-12  
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- Covalent catalysis:  $\text{A}-\text{B} + \text{:X} \longrightarrow \text{A}-\text{X} + \text{B} \longrightarrow \text{A} + \text{B} + \text{:X}$
- Acid-Base catalysis:



# Acid Base Catalysis

**Zhe Xu**



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web as seen in the chapter on the stoichiometry of chemical reactions titrations can be used to quantitatively analyze solutions for their acid or base concentrations in this section we will explore the underlying chemical equilibria that make acid base titrimetry a

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