Acid-Base Equilibria

Including: acid-base theories; strong and weak acids and bases; an introduction to pH, $K_w$ and $pK_w$, $K_a$ and $pK_a$, $K_b$ and $pK_b$; buffer solutions; pH curves and indicators.

1. Theories of Acids and Bases

2. Strong and Weak Acids

3. The Ionic Product for Water
4. Strong and Weak Bases

6. Acid-Base Indicators

7. Buffer Solutions

pH Titration Curves