

Buffers

solutions that resist pH changes addition of **acid**
base

contain **acidic** component $\text{HA} + \text{OH}^- \rightleftharpoons \text{H}_2\text{O} + \text{A}^-$

basic component $\text{A}^- + \text{H}^+ \rightleftharpoons \text{HA}$

conjugate pair weak acid + conjugate base

weak base + conjugate acid