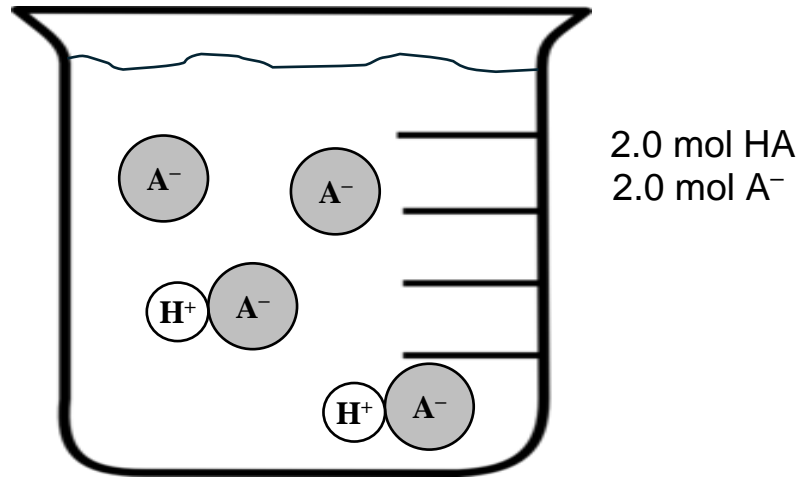
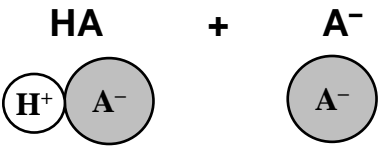
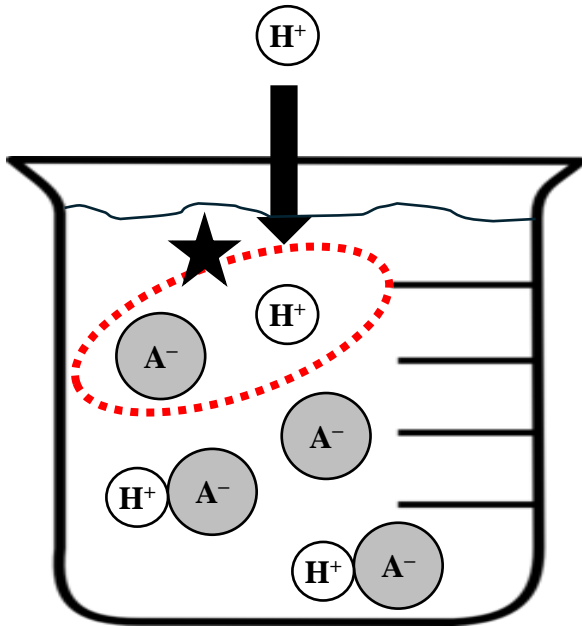


ACID BUFFER

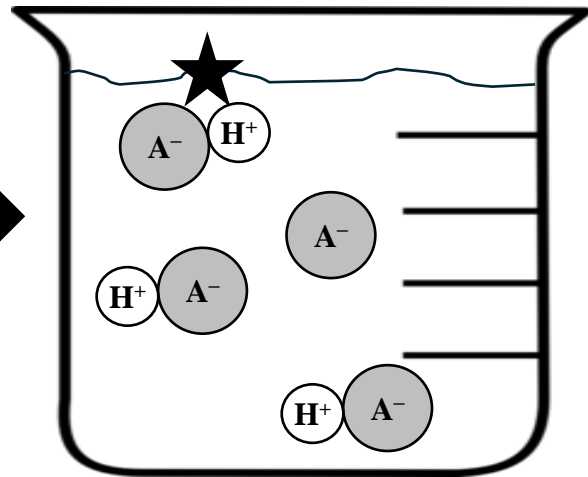
Weak Acid + Matching Salt



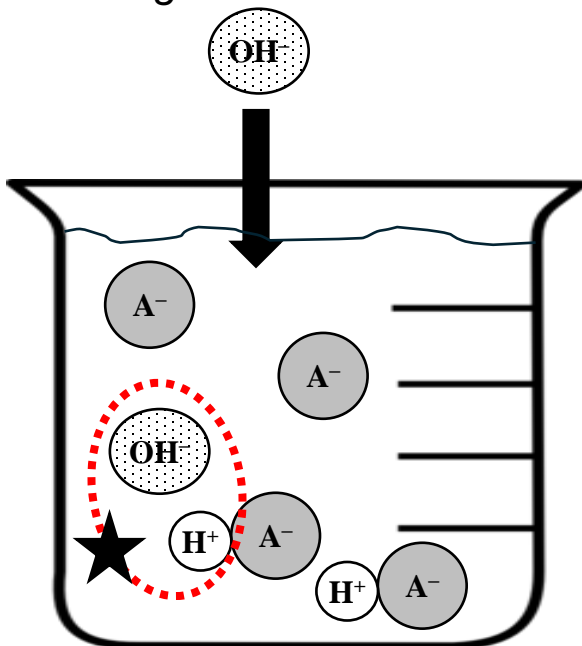
Adding H⁺ to an Acid Buffer



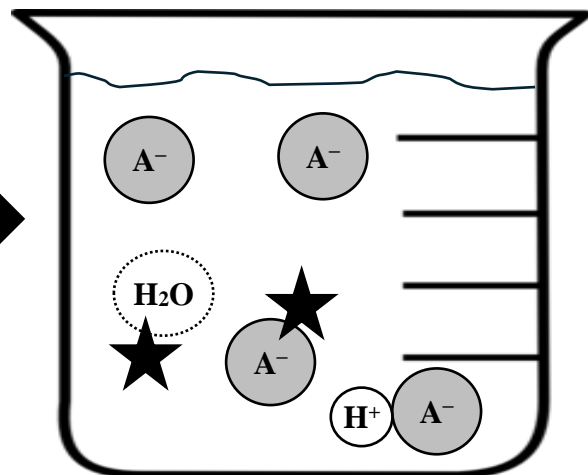
[HA] increased 3.0 mol HA
[A⁻] decreased 1.0 mol A⁻



Adding OH⁻ to an Acid Buffer

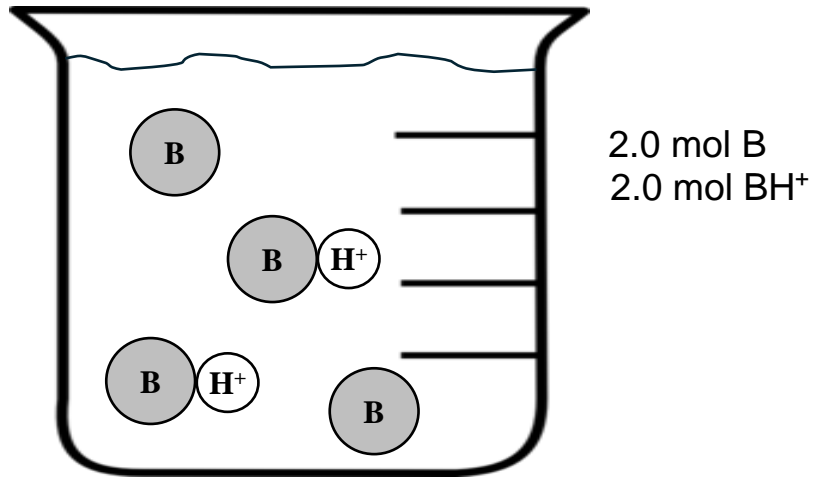
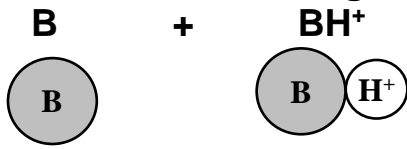


[HA] decreased 1.0 mol HA
[A⁻] increased 3.0 mol A⁻

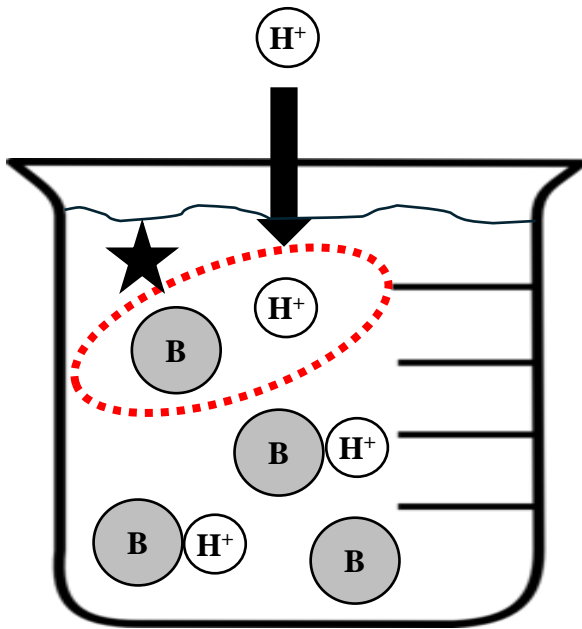


BASE BUFFER

Weak BASE + Matching Salt

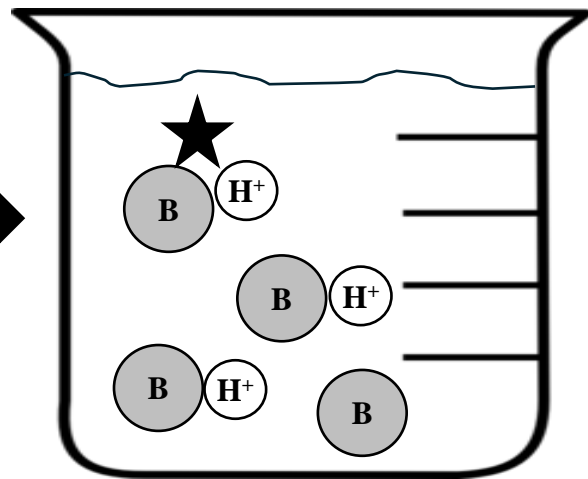


Adding H⁺ to a Base Buffer

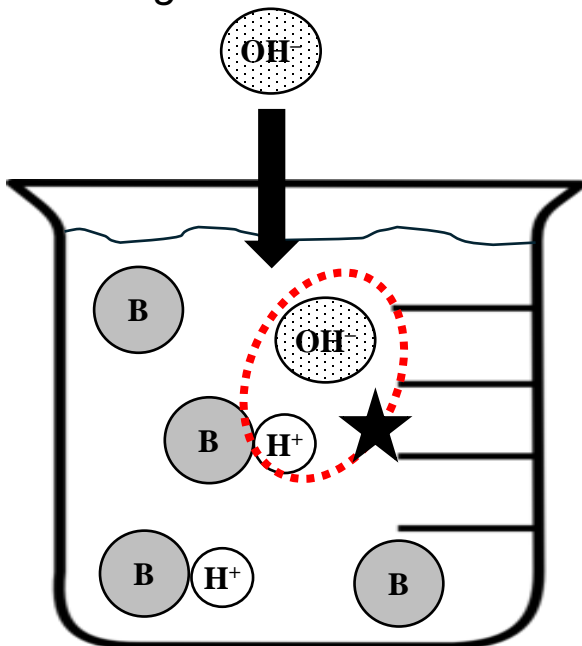


[B] decreased
[BH⁺] increased

1.0 mol B
3.0 mol BH⁺



Adding OH⁻ to a Base Buffer



[B] increased
[BH⁺] decreased

3.0 mol B
1.0 mol BH⁺

