

TABLE OF CONTENTS

Licensing

1: Acid Equilibrium

- 1.1: The Nature of Acids and Bases
- 1.2: Definitions of Acids and Bases
- 1.3: Acid Strength and the Acid Dissociation Constant (K_a)
- 1.4: Polyprotic Acids
- 1.5: Acid Strength and Molecular Structure

2: Acidic Mixtures

- 2.1: Autoionization of Water and pH
- 2.2: Finding the $[H_3O^+]$ and pH of Strong and Weak Acid Solutions
- 2.3: The Acid-Base Properties of Ions and Salts

3: Buffers

- 3.1: Buffers- Solutions That Resist pH Change
- 3.2: Buffer Effectiveness- Buffer Capacity and Buffer Range
- 3.3: Titrations and pH Curves

4: Related Equilibrium

- 4.1: Solubility Equilibria and the Solubility Product Constant
- 4.2: Precipitation
- 4.3: Lewis Acids and Bases
- 4.4: Complex Ion Equilibria

Index

Glossary

Detailed Licensing

Detailed Licensing