Ref. 547.23 STE

CONTENTS

One The Meaning of Oxidation	1
Two 1-and 2-Equivalent Oxidation Reactions	6
Three The Breaking of Carbon-Hydrogen and Carbon-Carbon Bonds	13
Four Chromic Acid Oxidations	33
Five Permanganate Oxidations	58
Six Other Transition Metal Oxidants	77
Seven Glycol-Cleaving Reagents	97
Eight Nonmetal Oxides and Acids	107
Nine Peroxy Compounds	116
Ten Some Miscellaneous Oxidants	124
Eleven Biochemical Oxidation Mechanisms	134
Appendix Ease of Oxidation of Functional Groups by Chromium(VI) and Manganese(VII)	163
Index	165