

CONTENTS

	Foreword	<i>xi</i>
<i>Chapter One</i>	The Greek Inheritance and Alchemy	<i>1</i>
<i>Chapter Two</i>	Chemical Composition and Phlogiston	<i>17</i>
<i>Chapter Three</i>	Antoine Lavoisier	<i>34</i>
<i>Chapter Four</i>	Atoms, Equivalents, and Elements	<i>47</i>
<i>Chapter Five</i>	Radicals and Types	<i>58</i>
<i>Chapter Six</i>	Valence and Molecular Structure	<i>91</i>
<i>Chapter Seven</i>	Stereochemistry and Organic Synthesis	<i>121</i>
<i>Chapter Eight</i>	Forces, Equilibria, and Rates	<i>154</i>
<i>Chapter Nine</i>	Electrons, Reaction Mechanisms, and Organic Synthesis	<i>188</i>
<i>Chapter Ten</i>	Conclusion	<i>241</i>
	Notes	<i>247</i>
	Index of Personal Names	<i>313</i>
	General Index	<i>324</i>

