

brief CONTENTS



Chapter 1	<i>Introduction: What Is Ecology?</i>	1
Section I	<i>Natural History</i>	10
Chapter 2	<i>Life on Land</i>	12
Chapter 3	<i>Life in Water</i>	48
Section II	<i>Individuals</i>	82
Chapter 4	<i>Temperature Relations</i>	84
Chapter 5	<i>Water Relations</i>	110
Chapter 6	<i>Energy and Nutrient Relations</i>	136
Chapter 7	<i>Social Relations</i>	160
Section III	<i>Population Ecology</i>	186
Chapter 8	<i>Population Genetics and Natural Selection</i>	188
Chapter 9	<i>Population Distribution and Abundance</i>	214
Chapter 10	<i>Population Dynamics</i>	238
Chapter 11	<i>Population Growth</i>	260
Chapter 12	<i>Life Histories</i>	278
Section IV	<i>Interactions</i>	300
Chapter 13	<i>Competition</i>	302
Chapter 14	<i>Exploitation: Predation, Herbivory, Parasitism, and Disease</i>	324
Chapter 15	<i>Mutualism</i>	350
Section V	<i>Communities and Ecosystems</i>	370
Chapter 16	<i>Species Abundance and Diversity</i>	372
Chapter 17	<i>Food Webs</i>	392
Chapter 18	<i>Primary Production and Energy Flow</i>	412
Chapter 19	<i>Nutrient Cycling and Retention</i>	432
Chapter 20	<i>Succession and Stability</i>	452
Section VI	<i>Large-Scale Ecology</i>	476
Chapter 21	<i>Landscape Ecology</i>	478
Chapter 22	<i>Geographic Ecology</i>	502
Chapter 23	<i>Global Ecology</i>	526