

Contents

<i>List of Figures</i>	page ix
<i>Foreword to the Canto Edition</i>	xi
<i>Preface</i>	xvii
<i>Preface to the Second Edition</i>	xx
<i>Preface to the Third Edition</i>	xxi
Introduction to the Canto Edition	1
1 Adaptation	26
2 The Theory of Natural Selection	38
3 Heredity	53
4 Weismann, Lamarck, and the Central Dogma	76
5 Molecular Evolution	87
6 The Origin and Early Evolution of Life	109
7 The Structure of Chromosomes and the Control of Gene Action	122
8 Variation	133
9 Artificial Selection: Some Experiments with Fruitflies	150
10 Natural Selection in Wild Populations	165
11 Protein Polymorphism	184
12 Altruism, Social Behaviour, and Sex	193

13	What are Species?	216
14	The Origins of Species	231
15	What Keeps Species Distinct?	245
16	The Genetics of Species Differences	257
17	The Fossil Evidence	276
18	Evolution and Development	310
19	Evolution and History	327
	<i>Further Reading</i>	346
	<i>Index</i>	348