

Contents

Introduction	iv
Acknowledgements	vii
Chapter 1 Investigations	1
Chapter 2 A Biological Issue	15
Chapter 3 Cells, Tissues and Organs	21
Chapter 4 Genetics 1: DNA and Variation	27
Chapter 5 Genetics 2: Patterns of Inheritance	45
Chapter 6 Genetics 3: Adaptive Features	55
Chapter 7 Human Skeleto-muscular System	65
Chapter 8 Human Digestive System	85
Chapter 9 Transport Around the Body – the Human Circulatory System	101
Chapter 10 Gas Exchange	119
Chapter 11 Human Excretory System	131
Chapter 12 Human Reproduction	143
Chapter 13 Micro-organisms.....	169
Chapter 14 Harmful Micro-organisms.....	191
Chapter 15 Life Cycle of Flowering Plants: Growth and Reproduction	217
Chapter 16 Plant Nutrition.....	247
Chapter 17 New Zealand Ecosystems	261
Answers	277
Index	303

For answers which include the criteria for obtaining 'Achieved', 'Merit' and 'Excellence' go to ESA Online at www.esa.co.nz