Contents

Introduction								
Biology B2 Biology B2 Unit Opener								
Chapter 1: Health and lifestyle								
1.1 1.2 1.3 1.4 1.5	Nutrients Food tests Unhealthy diet Digestive system Bacteria and enzymes in digestion	4 6 8 10 12	1.6 1.7 1.8 1.9	Drugs Alcohol Smoking B2 Chapter 1 Summary	14 16 18 20			
Chapter 2: Ecosystem processes								
2.1 2.2 2.3 2.4 2.5	Photosynthesis Leaves Plant minerals Chemosynthesis Aerobic respiration	22 24 26 28 30	2.6 2.7 2.8 2.9 2.10	Anaerobic respiration Food chains and webs Disruption to food chains and webs Ecosystems B2 Chapter 2 Summary	32 34 36 38 40			
Chapter 3: Adaptation and inheritance								
3.1 3.2 3.3 3.4	Competition and adaptation Adapting to change Variation Continuous and discontinuous	42 44 46 48	3.5 3.6 3.7 3.8	Inheritance Natural selection Extinction B2 Chapter 3 Summary	50 52 54 56			
Chemistry C2 Chemistry C2 Unit Opener								
Chapter 1: The Periodic Table								
1.1 1.2 1.3	Metals and non-metals Groups and periods The elements of Group 1	60 62 64	1.4 1.5 1.6	The elements of Group 7 The elements of Group 0 C2 Chapter 1 Summary	66 68 70			
Chapter 2: Separation techniques								
2.1 2.2 2.3 2.4	Mixtures Solutions Solubility Filtration	72 74 76 78	2.5 2.6 2.7	Evaporation and distillation Chromatography C2 Chapter 2 Summary	80 82 84			

		Basist M.		TO STATE OF THE ST	Esta Final March				
Chapter 3: Metals and acids									
3.1 3.2 3.3 3.4 3.5	Acids and metals Metals and oxygen Metals and water Metal displacement reactions Extracting metals	86 88 90 92 94	3.6 3.7 3.8 3.9	Ceramics Polymers Composites C2 Chapter 3 Summary	96 98 100 102				
Cha	Chapter 4: The Earth								
4.1 4.2 4.3 4.4	The Earth and its atmosphere Sedimentary rocks Igneous and metamorphic rocks The rock cycle	104 106 108 110	4.5 4.6 4.7 4.8	The carbon cycle Climate change Recycling C2 Chapter 4 Summary	112 114 116 118				
Physi	sics P2 cs P2 Unit Opener pter 1: Electricity and magnetism				120				
1.1 1.2 1.3 1.4 1.5	Charging up Circuits and current Potential difference Series and parallel Resistance	122 124 126 128 130	1.6 1.7 1.8 1.9	Magnets and magnetic fields Electromagnets Using electromagnets P2 Chapter 1 Summary	132 134 136 138				
Cha	Chapter 2: Energy								
2.1 2.2 2.3 2.4 2.5	Food and fuels Energy adds up Energy and temperature Energy transfer: particles Energy transfer: radiation	140 142 144 146 148	2.6 2.7 2.8 2.9	Energy resources Energy and power Work, energy, and machines P2 Chapter 2 Summary	150 152 154 156				
Chapter 3: Motion and pressure									
3.1 3.2 3.3 3.4	Speed Motion graphs Pressure in gases Pressure in liquids	158 160 162 164	3.5 3.6 3.7	Pressure on solids Turning forces P2 Chapter 3 Summary	166 168 170				
🖁 Inde	Glossary Index Periodic Table								

ii

liii