

Section	Page # in SHS34 (new book)	Page Title	Page # from SHS33 (old book)
Section 1 - Cells and Respiration	1	The Microscope	1
	2	Cells	2
	3	Cell Organisation	3
	4	Respiration	4 and 5
	5	WU	6
	6	PQs	7
	7	SS	8
Section 2 - Humans as Organisms	8	Nutrition	9
	9	Nutrition and Energy Requirements	10 and 11
	10	Digestion	12
	11	More on Digestion	13
	12	More on Digestion	14
	13	WU	15
	14	The Skeleton	16
	15	The Muscular System	17
	16	The Force Applied by Muscles	18
	17	WU	19
	18	Gas Exchange	20
	19	Breathing	21
	20	Exercise, Asthma and Smoking	22
	21	WU	23
	22	Human Reproductive System	24
	23	The Menstrual cycle	25
	24	Having a Baby	26
	25	Health and Pregnancy	27
	26	Drugs	28
	27	WU	29
	28	PQs	30
29	SS	31	
Section 3 - Plants and Ecosystems	30	Plant Nutrition	32 and 33
	31	Plant Reproduction	34
	32	Fertilisation, Seed Formation and Distribution	35 and 36
	33	Investigating Seed Dispersal Mechanisms	37
	34	WU	38
	35	PQs	39
	36	Dependence on Other Organisms	40
	37	Food Chains	41
	38	Food Webs	42
	39	WU	43
	40	SS	44
Section 4 - Inheritance, Variation and Survival	41	DNA and Inheritance	45
	42	Variation	46 and 47
	43	Natural Selection and Survival	48
	44	Extinction and Preserving Species	49 and 50
	45	WU	51

	46	PQs	52
	47	SS	53
Section 5 - Classifying Materials	48	Solids, Liquids and Gases	54
	49	Particle Theory	55 and 56
	50	More Particle Theory	57
	51	Physical Changes	58
	52	Heating and Cooling Curves	59
	53	WU	60
	54	PQs	61
	55	Atoms and Elements	62
	56	The Periodic Table	63
	57	Compounds	64 and 65
	58	Naming Compounds	66
	59	WU	67
	60	Mixtures	68
	61	Mixtures	69
	62	Separating Mixtures	70
	63	Separating Mixtures	71
	64	Separating Mixtures	72
	65	WU	73
	66	PQs	74
	67	Properties of Metals	75
	68	Properties of Metals	76
	69	Properties of Non-Metals	77
	70	Properties of Non-Metals	78
	71	Properties of Other Materials	79
72	WU	80	
73	PQs	81	
74	SS	82	
Section 6 - Chemical Changes	75	Chemical Reactions	83
	76	Examples of Chemical Reactions	84
	77	Chemical Reactions and Catalysts	85 and 86
	78	Balancing Equations	87
	79	WU	88
	80	Acids and Alkalis	89 and 90
	81	Neutralisation Reactions	91
	82	WU	92
	83	Reactivity Series and Metal Extraction	93
	84	Reaction of Metals with Acids	94
	85	Reactions of Oxides with Acids	95
	86	Displacement Reactions	96
	87	Displacement Reactions	97
	88	WU	98
	89	PQs	99
	90	SS	100
	Section 7 - The Earth and the Atmosphere	91	The Earth's Structure
92		Rock Types	102
93		Rock Types	103

	94	The Rock Cycle	104
	95	WU	105
	96	PQs	106
	97	Recycling	107
	98	The Carbon Cycle	108
	99	The Atmosphere and the Climate	109
	100	WU	110
	101	SS	111
Section 8 - Energy and Matter	102	Energy Transfer	112
	103	Energy Transfer	113
	104	More Energy Transfer	114
	105	Energy Transfer by Heating	115
	106	Conservation of Energy	116
	107	WU	117
	108	PQs	118
	109	Energy Resources	119
	110	Generating Electricity	120
	111	The Cost of Electricity	121
	112	The Cost of Electricity	122
	113	Comparing Power Ratings and Energy Values	123
	114	WU	124
	115	Physical Changes	125
	116	Physical Changes	126
	117	Movement of Particles	127
	118	WU	128
	119	SS	129
Section 9 - Forces and Motion	120	Speed	130
	121	Distance-Time Graphs	131
	122	Relative Motion	132
	123	Forces and Movement	133
	124	Friction	134
	125	Air and Water Resistance	135
	126	WU	136
	127	PQs	137
	128	Force Diagrams	138 and 139
	129	Moments	140
	130	Forces and Elasticity	141
	131	Pressure	142
	132	Pressure	143
	133	WU	144
	134	PQs	145
	135	SS	146
	Section 10 - Waves	136	Water Waves
137		Water Waves	148
138		Light Waves	149
139		Reflection	150
140		Refraction	151
141		How We See	152

	142	Colour	153
	143	WU	154
	144	PQs	155
	145	Sound	156
	146	Sound	157
	147	Hearing	158
	148	Energy and Waves	159
	149	WU	160
	150	SS	161
Section 11 - Electricity and Magnetism	151	Electrical Circuits	162
	152	Electrical Circuits	163
	153	Measuring Current and Potential Difference	164
	154	Series Circuits	165
	155	Parallel Circuits	166
	156	WU	167
	157	Static Electricity	168
	158	Magnets	169 and 170
	159	Electromagnets	171
	160	WU	172
	161	SS	173
Section 12 - The Earth and Beyond	162	Gravity	174
	163	The Sun and Stars	175 and 176
	164	Day and Night and the Four Seasons	177
	165	WU	178
	166	SS	179

### Key

WU/PQs = practice question pages

SS = revision summary pages