

Apologia Biology, 2nd Edition

MP3

Audio CD	Textbook Section	MP3 Audio CD	Audiobook
Track	Module 0	Filename	Start Time
	1 A Brief Note	mod00_01.mp3	0:00:00
Track	Module 1	Filename	Start Time
	2 Introduction	mod01_01.mp3	0:00:00
	3 What Is Life?	mod01_02.mp3	0:01:06
	4 DNA and Life	mod01_03.mp3	0:02:58
	5 Energy Conversion and Life	mod01_04.mp3	0:05:47
	6 Sensing and Responding to Change	mod01_05.mp3	0:17:28
	7 All Life Forms Reproduce	mod01_06.mp3	0:19:42
	8 Life's Secret Ingredient	mod01_07.mp3	0:23:48
	9 The Scientific Method	mod01_08.mp3	0:28:01
	10 Limitations of the Scientific Method	mod01_09.mp3	0:35:50
	11 Spontaneous Generation: The Faithful Still Cling to It!	mod01_10.mp3	0:51:01
	12 Biological Classification	mod01_11.mp3	0:55:42
	13 Characteristics Used to Separate Organisms into Kingdoms	mod01_12.mp3	1:01:32
	14 The Definition of Species	mod01_13.mp3	1:09:18
	15 Biological Keys	mod01_14.mp3	1:13:38
	16 Naming Organisms Based on Classification	mod01_15.mp3	1:18:46
	17 Alternate Forms of Taxonomy	mod01_16.mp3	1:22:29
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Track	Module 2	Filename	Start Time
	19 Introduction	mod02_01.mp3	0:00:00
	20 Bacteria	mod02_02.mp3	0:02:27
	21 The Eating Habits of Bacteria	mod02_03.mp3	0:17:26
	22 Asexual Reproduction in Bacteria	mod02_04.mp3	0:29:43
	23 Genetic Recombination in Bacteria	mod02_05.mp3	0:39:46
	24 Transformation and Transduction	mod02_06.mp3	0:46:02
	25 Endospore Formation	mod02_07.mp3	0:47:48
	26 Bacterial Colonies	mod02_08.mp3	0:50:25
	27 Classification in Kingdom Monera	mod02_09.mp3	0:55:20
	28 Classes in Kingdom Monera	mod02_10.mp3	1:00:30
	29 A Few Words on Other Classification Systems	mod02_11.mp3	1:04:33
	30 Specific Bacteria	mod02_12.mp3	1:06:56
	31 Conditions for Bacterial Growth	mod02_13.mp3	1:13:59
	32 Preventing Bacterial Infections	mod02_14.mp3	1:16:41
	33 Take a Look at the Microscopic World	mod02_15.mp3	1:20:27
Track	Module 3	Filename	Start Time
	34 Introduction	mod03_01.mp3	0:00:00
	35 Classification in Kingdom Protista	mod03_02.mp3	0:03:01
	36 Subkingdom Protozoa	mod03_03.mp3	0:07:15

37 Phylum Sarcodina	mod03_04.mp3	0:08:30
38 Other Sarcodines	mod03_05.mp3	0:13:59
39 Phylum Mastigophora	mod03_06.mp3	0:16:23
40 Other Mastogophorites	mod03_07.mp3	0:20:49
41 Phylum Ciliophora	mod03_08.mp3	0:27:38
42 Other Members of Phylum Ciliophora	mod03_09.mp3	0:31:07
43 Phylum Sporozoa	mod03_10.mp3	0:33:17
44 Subkingdom Algae	mod03_11.mp3	0:40:06
45 Phylum Chlorophyta	mod03_12.mp3	0:46:21
46 Phylum Chrysophyta	mod03_13.mp3	0:49:45
47 Phylum Pyrrophyta	mod03_14.mp3	0:54:06
48 Phylum Phaeophyta	mod03_15.mp3	0:56:51
49 Phylum Rhodophyta	mod03_16.mp3	1:01:50
50 Summing Up Kingdom Protista	mod03_17.mp3	1:03:17

Track	Module 4	Filename	Start Time
51	Introduction	mod04_01.mp3	0:00:00
52	General Characteristics of Fungi	mod04_02.mp3	0:03:35
53	Reproduction in Kingdom Fungi	mod04_03.mp3	0:13:13
54	Classification in Kingdom Fungi	mod04_04.mp3	0:16:16
55	Phylum Basidiomycota	mod04_05.mp3	0:20:52
56	Other Members of Phylum Basidiomycota	mod04_06.mp3	0:27:41
57	Phylum Ascomycota	mod04_07.mp3	0:33:05
58	Yeasts	mod04_08.mp3	0:33:43
59	Other Members of Phylum Ascomycota	mod04_09.mp3	0:38:48
60	Phylum Zygomycota	mod04_10.mp3	0:42:08
61	Phylum Chytridiomycota	mod04_11.mp3	0:45:46
62	Phylum Deuteromycota: The Imperfect Fungi	mod04_12.mp3	0:46:53
63	Phylum Myxomycota	mod04_13.mp3	0:53:01
64	Symbiosis in Kingdom Fungi	mod04_14.mp3	0:59:29
65	Summing Up Kingdom Fungi	mod04_15.mp3	1:03:45

Track	Module 5	Filename	Start Time
66	Introduction	mod05_01.mp3	0:00:00
67	Atoms: The Basic Building Blocks of Matter	mod05_02.mp3	0:01:02
68	Elements	mod05_03.mp3	0:11:51
69	Molecules	mod05_04.mp3	0:18:10
70	Changes in Matter	mod05_05.mp3	0:26:39
71	Physical Change	mod05_06.mp3	0:31:08
72	Chemical Change	mod05_07.mp3	0:46:59
73	Photosynthesis	mod05_08.mp3	0:52:42
74	Organic Chemistry	mod05_09.mp3	1:00:03
75	Carbohydrates	mod05_10.mp3	1:02:13
76	Organic Acids and Bases	mod05_11.mp3	1:13:37
77	Lipids	mod05_12.mp3	1:16:45
78	Proteins and Enzymes	mod05_13.mp3	1:21:40
79	DNA	mod05_14.mp3	1:35:00

Track	Module 6	Filename	Start Time
	80 Introduction	mod06_01.mp3	0:00:00
	81 Cellular Functions	mod06_02.mp3	0:02:01
	82 Cell Structure	mod06_03.mp3	0:12:34
	83 The Cell Wall	mod06_04.mp3	0:14:42
	84 The Plasma Membrane	mod06_05.mp3	0:17:50
	85 The Cytoplasm	mod06_06.mp3	0:19:45
	86 The Mitochondrion	mod06_07.mp3	0:22:17
	87 The Lysosome	mod06_08.mp3	0:23:06
	88 Ribosomes	mod06_09.mp3	0:25:40
	89 The Endoplasmic Reticulum	mod06_10.mp3	0:26:43
	90 The Plastids	mod06_11.mp3	0:28:32
	91 Vacuoles and Vesicles	mod06_12.mp3	0:29:55
	92 Golgi Bodies	mod06_13.mp3	0:34:27
	93 Centrioles	mod06_14.mp3	0:36:40
	94 The Nucleus	mod06_15.mp3	0:38:19
	95 The Cytoskeleton	mod06_16.mp3	0:42:06
	96 As If This Isn't Already Complicated Enough!	mod06_17.mp3	0:45:41
	97 How Substances Travel In and Out of Cells	mod06_18.mp3	0:49:16
	98 How Cells Get Their Energy	mod06_19.mp3	1:03:02
	99 ATP and ADP	mod06_20.mp3	1:19:43

Track	Module 7	Filename	Start Time
	100 Introduction	mod07_01.mp3	0:00:00
	101 Genes, Chromosomes, and DNA	mod07_02.mp3	0:03:25
	102 Protein Synthesis - Part 1: Transcription	mod07_03.mp3	0:11:48
	103 Protein Synthesis - Part 2: Translation	mod07_04.mp3	0:19:51
	104 Mitosis: Eukaryotic Asexual Reproduction	mod07_05.mp3	0:33:17
	105 Diploid and Haploid Cells	mod07_06.mp3	0:48:14
	106 Meiosis: The Cellular Basis of Sexual Reproduction	mod07_07.mp3	0:54:58
	107 Viruses	mod07_08.mp3	1:10:29

Track	Module 8	Filename	Start Time
	108 Introduction	mod08_01.mp3	0:00:00
	109 Gregor Mendel	mod08_02.mp3	0:00:40
	110 Mendel's Experiment	mod08_03.mp3	0:05:55
	111 Updating the Terminology	mod08_04.mp3	0:17:37
	112 Punnett Squares	mod08_05.mp3	0:27:42
	113 Pedigrees	mod08_06.mp3	0:35:19
	114 More Complex Crosses	mod08_07.mp3	0:44:38
	115 Sex and Sex-Linked Genetic Traits	mod08_08.mp3	1:01:48
	116 A More Complete Understanding of Genetics	mod08_09.mp3	1:09:49
	117 Genetic Disorders and Diseases	mod08_10.mp3	1:21:24
	118 Summing Up	mod08_11.mp3	1:30:00

Track	Module 9	Filename	Start Time
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119	Introduction	mod09_01.mp3	0:00:00
120	Charles Darwin	mod09_02.mp3	0:04:34
121	Darwin's Theory	mod09_03.mp3	0:14:37
122	Microevolution and Macroevolution	mod09_04.mp3	0:25:44
123	Inconclusive Evidence: The Geological Column	mod09_05.mp3	0:40:07
124	The Details of the Fossil Record: Evidence Against Macroevolution	mod09_06.mp3	0:55:53
125	The Cambrian Explosion	mod09_07.mp3	1:19:35
126	Structural Homology: Formerly Evidence for Macroevolution, Now Evi	mod09_08.mp3	1:28:45
127	Molecular Biology: The Nail in Macroevolutions Coffin	mod09_09.mp3	1:35:44
128	Macroevolution Today	mod09_10.mp3	1:48:21
129	Why Do So Many Scientists Believe in Macroevolution?	mod09_11.mp3	2:04:00

Track	Module 10	Filename	Start Time
130	Introduction	mod10_01.mp3	0:00:00
131	Energy and Ecosystems	mod10_02.mp3	0:08:32
132	Mutualism	mod10_03.mp3	0:21:37
133	The Physical Environment	mod10_04.mp3	0:35:15
134	The Water Cycle	mod10_05.mp3	0:40:04
135	The Oxygen Cycle	mod10_06.mp3	0:49:10
136	The Carbon Cycle	mod10_07.mp3	0:55:49
137	The Nitrogen Cycle	mod10_08.mp3	1:13:35
138	Summing Up	mod10_09.mp3	1:19:26

Track	Module 11	Filename	Start Time
139	Introduction	mod11_01.mp3	0:00:00
140	Symmetry	mod11_02.mp3	0:03:09
141	Phylum Porifera: The Sponges	mod11_03.mp3	0:06:21
142	Phylum Cnidaria	mod11_04.mp3	0:14:56
143	Specific Members of Phylum Cnidaria	mod11_05.mp3	0:19:06
144	Phylum Annelida	mod11_06.mp3	0:29:40
145	Feeding Habits of the Earthworm	mod11_07.mp3	0:33:25
146	The Respiratory and Circulatory Systems in an Earthworm	mod11_08.mp3	0:37:06
147	The Earthworm's Reproductive System	mod11_09.mp3	0:41:46
148	Other Segmented Worms	mod11_10.mp3	0:44:26
149	Phylum Platyhelminthes: The Planarian	mod11_11.mp3	0:48:28
150	Other Members of Phylum Platyhelminthes	mod11_12.mp3	0:52:03
151	Phylum Nematoda	mod11_13.mp3	0:53:21
152	Phylum Mollusca	mod11_14.mp3	0:58:53
153	Summing Up the Invertebrates	mod11_15.mp3	1:02:15

Track	Module 12	Filename	Start Time
154	Introduction	mod12_01.mp3	0:00:00
155	General Characteristics of Arthropods	mod12_02.mp3	0:01:26
156	Class Crustacea: The Crayfish	mod12_03.mp3	0:12:53
157	The Crayfish's Respiratory System	mod12_04.mp3	0:16:08
158	The Crayfish's Circulatory System	mod12_05.mp3	0:22:32
159	The Crayfish's Digestive System	mod12_06.mp3	0:29:55

160	The Crayfish's Nervous System	mod12_07.mp3	0:31:05
161	The Crayfish's Reproductive System	mod12_08.mp3	0:33:03
162	Other Crustaceans	mod12_09.mp3	0:34:35
163	Class Arachnida	mod12_10.mp3	0:37:36
164	The Spider	mod12_11.mp3	0:41:10
165	The Major Points of Interest in Spider Anatomy	mod12_12.mp3	0:48:09
166	Classes Chilopoda and Diplopoda	mod12_13.mp3	0:50:56
167	Class Insecta	mod12_14.mp3	0:53:27
168	The Basic Anatomy of an Insect	mod12_15.mp3	0:57:03
169	Respiration and Circulation in Insects	mod12_16.mp3	0:57:26
170	The Feeding Habits of Insects	mod12_17.mp3	1:00:13
171	Reproduction and Development in Insects	mod12_18.mp3	1:01:41
172	A Few Orders in Class Insecta	mod12_19.mp3	1:06:57

Track	Module 13	Filename	Start Time
173	Introduction	mod13_01.mp3	0:00:00
174	Subphylum Urochordata	mod13_02.mp3	0:03:51
175	Subphylum Cephalochordata	mod13_03.mp3	0:06:04
176	Subphylum Vertabrata	mod13_04.mp3	0:08:44
177	The Endoskeleton	mod13_05.mp3	0:09:55
178	The Circulatory System	mod13_06.mp3	0:16:28
179	The Nervous System	mod13_07.mp3	0:19:31
180	Reproduction	mod13_08.mp3	0:25:23
181	Class Agnatha	mod13_09.mp3	0:29:56
182	Class Chondrichthyes	mod13_10.mp3	0:35:36
183	Class Osteichthyes	mod13_11.mp3	0:48:25
184	The Diversity of Class Osteichthyes	mod13_12.mp3	1:04:50
185	Class Amphibia	mod13_13.mp3	1:12:03
186	Specific Creatures in Class Amphibia	mod13_14.mp3	1:18:51
187	Summing Up	mod13_15.mp3	1:21:49

Track	Module 14	Filename	Start Time
188	Introduction	mod14_01.mp3	0:00:00
189	Basic Plant Anatomy	mod14_02.mp3	0:01:21
190	The Macroscopic Structure of a Leaf	mod14_03.mp3	0:07:27
191	The Microscopic Structure of a Leaf	mod14_04.mp3	0:14:50
192	Leaf Color	mod14_05.mp3	0:22:14
193	Roots	mod14_06.mp3	0:32:24
194	Stems	mod14_07.mp3	0:40:25
195	Classification of Plants	mod14_08.mp3	0:51:34
196	The Bryophytes	mod14_09.mp3	0:53:16
197	Seedless Vascular Plants	mod14_10.mp3	1:01:49
198	Seed-Making Plants	mod14_11.mp3	1:05:59

Track	Module 15	Filename	Start Time
199	Introduction	mod15_01.mp3	0:00:00
200	How a Plant Depends on Water	mod15_02.mp3	0:00:53

201 Water Absorption in Plants	mod15_03.mp3	0:09:24
202 Water Transport in Plants	mod15_04.mp3	0:13:45
203 Plant Growth	mod15_05.mp3	0:23:29
204 Insectivorous Plants	mod15_06.mp3	0:33:06
205 Reproduction in Plants	mod15_07.mp3	0:35:58
206 Vegetative Reproduction	mod15_08.mp3	0:36:49
207 Sexual Reproduction in Phylum Anthophyta	mod15_09.mp3	0:45:32
208 The Reproductive Process in Anthophytes, Part 1:Forming Pollen and	mod15_10.mp3	0:54:31
209 The Reproductive Process in Anthophytes, Part 2: Pollination	mod15_11.mp3	0:59:42
210 The Reproductive Process in Anthophytes, Part 3: Fertilization	mod15_12.mp3	1:07:44
211 Seeds and Fruits	mod15_13.mp3	1:12:01
212 Germination and Early Growth	mod15_14.mp3	1:23:12

Track	Module 16	Filename	Start Time
213	Introduction	mod16_01.mp3	0:00:00
214	Class Reptilia	mod16_02.mp3	0:00:55
215	Classification of Reptiles	mod16_03.mp3	0:10:48
216	Order Rhynchocephalia	mod16_04.mp3	0:11:52
217	Order Squamata	mod16_05.mp3	0:14:26
218	Lizards	mod16_06.mp3	0:15:11
219	Snakes	mod16_07.mp3	0:20:14
220	Order Testudines	mod16_08.mp3	0:30:46
221	Order Crocodilia	mod16_09.mp3	0:32:48
222	Dinosaurs	mod16_10.mp3	0:35:54
223	Class Aves	mod16_11.mp3	0:45:32
224	A Bird's Ability to Fly	mod16_12.mp3	0:50:38
225	Classification in Class Aves	mod16_13.mp3	1:04:44
226	Class Mammalia	mod16_14.mp3	1:14:35
227	Classification in Class Mammalia	mod16_15.mp3	1:24:07
228	Summing It All Up	mod16_16.mp3	1:48:03