

## Apologia Advanced Biology: The Human Body 2nd Edition

MP3

Audio CD    Textbook Section    MP3 Audio CD    Audiobook

Track	Module 1	Filename	Start Time
1	Introduction	0101.mp3	0:00:00
2	Organizational Levels Of The Human Body	0102.mp3	0:04:38
3	Homeostasis	0103.mp3	0:13:22
4	Control Of Homeostasis: Feedback Systems	0104.mp3	0:19:37
5	A Review Of Cell Structure And Organelle Function	0105.mp3	0:27:13
6	A Review Of Protein Synthesis	0106.mp3	0:39:59
7	A Review Of Cellular Mitosis	0107.mp3	0:45:31
8	The Plasma Membrane	0108.mp3	0:49:49
9	Functions Of The Plasma Membrane	0109.mp3	0:56:32
10	Membrane Transport Processes	0110.mp3	1:08:26

Track	Module 2	Filename	Start Time
11	Introduction	0201.mp3	0:00:00
12	Epithelial Tissue	0202.mp3	0:02:03
13	Stratified Epithelial Tissue	0203.mp3	0:13:33
14	Glandular Epithelium	0204.mp3	0:22:13
15	Connective Tissue	0205.mp3	0:29:04
16	Connective Tissue Proper	0206.mp3	0:31:54
17	Cartilage	0207.mp3	0:39:35
18	Bone And Blood	0208.mp3	0:44:49
19	Membranes	0209.mp3	0:45:53
20	Tissue Repair	0210.mp3	0:52:12

Track	Module 3	Filename	Start Time
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22	The Basic Structure Of Skin	0302.mp3	0:02:43
23	A Closer Look At The Epidermis	0303.mp3	0:15:11
24	Hair And Nails	0304.mp3	0:22:07
25	Skin Glands	0305.mp3	0:32:55
26	The Skeletal System	0306.mp3	0:38:02
27	Gross Anatomy Of Bone	0307.mp3	0:42:13
28	An Overview Of The Skeletal System	0308.mp3	0:47:14
29	Details Of The Appendicular Skeleton: The Limbs	0309.mp3	0:50:29
30	Details Of The Appendicular Skeleton: The Hands And Feet	0310.mp3	0:52:50
31	Details Of The Axial Skeleton: The Skull	0311.mp3	0:55:19
32	Details Of The Axial Skeleton: The Vertebral Column	0312.mp3	1:01:49
33	Details Of The Axial Skeleton: The Thoracic Cage	0313.mp3	1:08:12

Track	Module 4	Filename	Start Time
34	Introduction	0401.mp3	0:00:00
35	Cancellous And Compact Bone Histology	0402.mp3	0:09:33
36	Bone Growth And Bone Remodeling	0403.mp3	0:13:09

37	Bone Homeostasis	0404.mp3	0:28:01
38	Nutrition For Bone Health	0405.mp3	0:40:12
39	The Three Major Types Of Joints In The Skeleton	0406.mp3	0:41:22
40	Motion And Terms Of Movement	0407.mp3	0:54:09

Track	Module 5	Filename	Start Time
41	Introduction	0501.mp3	0:00:00
42	Skeletal Muscle Structure	0502.mp3	0:06:02
43	How A Muscle Fiber Contracts	0503.mp3	0:11:09
44	The Neuromuscular Junction In A Skeletal Muscle	0504.mp3	0:25:43
45	How A Muscle Fiber Relaxes	0505.mp3	0:40:37
46	Motor Units	0506.mp3	0:45:00
47	Multiple Motor Unit Summation	0507.mp3	0:48:53
48	Muscle Tone	0508.mp3	0:56:03
49	Energy In Skeletal Muscle Fibers	0509.mp3	0:57:45
50	Warm-Up And Cool-Down	0510.mp3	1:06:58
51	Summing Up	0511.mp3	1:09:16

Track	Module 6	Filename	Start Time
52	Introduction	0601.mp3	0:00:00
53	An Overview Of The Skeletal Muscle System	0602.mp3	0:09:13
54	Major Muscles Of The Head And Face	0603.mp3	0:14:37
55	Major Muscles Of The Anterior Chest And Abdominal Wall	0604.mp3	0:18:54
56	The Major Muscles Of The Shoulder, Back, And Arm	0605.mp3	0:22:57
57	Major Muscles Of The Forearm	0606.mp3	0:25:42
58	Muscles Of The Hand	0607.mp3	0:30:33
59	Major Muscles Of The Thigh	0608.mp3	0:32:43
60	Major Muscles Of The Leg	0609.mp3	0:36:58
61	The Muscles Of The Foot	0610.mp3	0:40:11
62	Summing Up	0611.mp3	0:40:26

Track	Module 7	Filename	Start Time
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64	The Nervous System At The Cellular Level	0702.mp3	0:08:32
65	Neuroglia	0703.mp3	0:16:34
66	Nerve Structure	0704.mp3	0:21:25
67	Action Potentials I: The Resting Potential	0705.mp3	0:29:25
68	Action Potentials Ii: Stimulus And Response	0706.mp3	0:39:04
69	Action Potentials Iii: Stimulus And Conduction	0707.mp3	0:52:15
70	Synaptic Transmission	0708.mp3	1:07:18
71	Neuron Arrangements	0709.mp3	1:25:07

Track	Module 8	Filename	Start Time
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73	The Brain	0802.mp3	0:01:46
74	Brain Anatomy	0803.mp3	0:08:18
75	The Cerebrum In More Detail	0804.mp3	0:23:54

76	Other Important Structures In The Brain	0805.mp3	0:41:21
77	Protection Of The Brain	0806.mp3	0:47:41
78	The Spinal Cord	0807.mp3	0:56:25
79	The Reflex Arc	0808.mp3	1:02:45
80	Ascending And Descending Pathways In The Spinal Cord	0809.mp3	1:10:39

Track	Module 9	Filename	Start Time
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82	Divisions Of The Autonomic Nervous System	0902.mp3	0:05:12
83	Control Of The Autonomic Nervous System	0903.mp3	0:20:45
84	The Afferent Division Of The Peripheral Nervous System	0904.mp3	0:25:10
85	The General Senses	0905.mp3	0:41:37
86	The Sense Of Smell	0906.mp3	0:47:04
87	The Sense Of Taste	0907.mp3	0:54:37
88	The Sense Of Balance	0908.mp3	0:59:37
89	The Sense Of Hearing	0909.mp3	1:10:05
90	The Sense Of Vision: Eye Anatomy	0910.mp3	1:17:10
91	The Sense Of Vision: Physiology Of The Eye	0911.mp3	1:32:27

Track	Module 10	Filename	Start Time
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93	The Endocrine System As A Whole	1002.mp3	0:05:47
94	Endocrine Glands And Hormones	1003.mp3	0:10:31
95	Hormone Chemistry	1004.mp3	0:28:52
96	Hormone Secretion Control	1005.mp3	0:32:24
97	Patterns Of Hormone Secretion	1006.mp3	0:45:56
98	Hormone Receptors In The Body	1007.mp3	0:48:28
99	Prostaglandins	1008.mp3	0:55:24

Track	Module 11	Filename	Start Time
100	Introduction	1101.mp3	0:00:00
101	The Composition Of Blood	1102.mp3	0:05:10
102	The Formed Elements In Blood	1103.mp3	0:12:25
103	Blood As A Connective Tissue	1104.mp3	0:29:03
104	Blood Types	1105.mp3	0:49:21
105	An Overview Of Blood Circulation	1106.mp3	1:03:15
106	Heart Anatomy	1107.mp3	1:08:13
107	The Flow of Blood Through the Heart	1108.mp3	1:13:30
108	Cardiac Muscle And The Cardiac Cycle	1109.mp3	1:15:53
109	Blood Vessels And The Entire Circulatory System	1110.mp3	1:22:21

Track	Module 12	Filename	Start Time
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111	Lymph And Lymph Vessels	1202.mp3	0:02:03
112	Functions Of The Lymphatic System	1203.mp3	0:06:15
113	Mucosa - Associated Lymphoid Tissue (MALT)	1204.mp3	0:12:09
114	Lymph Nodes	1205.mp3	0:15:11

115	The Spleen And The Thymus Gland	1206.mp3	0:19:18
116	Immunity	1207.mp3	0:24:13
117	The First Line Of Innate (Nonspecific) Immunity	1208.mp3	0:30:44
118	The Second Line Of Innate Defense	1209.mp3	0:37:10
119	Acquired Immunity, Part 1: Humoral Immunity	1210.mp3	0:46:09
120	Acquired Immunity, Part 2: Cell-Mediated Immunity	1211.mp3	0:56:51
121	Types Of Acquired Immunity And Autoimmunity	1212.mp3	0:59:38

Track	Module 13	Filename	Start Time
122	Introduction	1301.mp3	0:00:00
123	Overview Of The Digestive System	1302.mp3	0:03:55
124	The Mouth, Pharynx, And Esophagus	1303.mp3	0:12:05
125	The Stomach	1304.mp3	0:25:56
126	The Small Intestine	1305.mp3	0:39:55
127	The Large Intestine	1306.mp3	0:53:50
128	Accessory Organs: The Liver, Pancreas, And Gallbladder	1307.mp3	1:01:44
129	Nutrition	1308.mp3	1:15:41
130	Micronutrients	1309.mp3	1:24:06

Track	Module 14	Filename	Start Time
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132	Anatomy And Functions Of The Respiratory System	1402.mp3	0:01:13
133	Voice	1403.mp3	0:10:48
134	The Muscles And Mechanics Of Ventilation	1404.mp3	0:18:28
135	Factors That Aid Ventilation	1405.mp3	0:24:52
136	External Respiration	1406.mp3	0:39:04
137	Gas Exchange During External And Internal Respiration	1407.mp3	0:53:37
138	Respiratory Control	1408.mp3	1:04:31
139	Cellular Respiration	1409.mp3	1:14:40
140	Stage 1 Of Cellular Respiration: Glycolysis	1410.mp3	1:15:57
141	Stage 2 Of Cellular Respiration: Oxidation Of Pyruvate	1411.mp3	1:21:59
142	Stage 3 Of Cellular Respiration: Citric Acid (Krebs) Cycle	1412.mp3	1:24:44
143	Stage 4 Of Cellular Respiration: Electron Transport Chain	1413.mp3	1:28:14
144	Review Of Cellular Respiration	1414.mp3	1:34:27
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Track	Module 15	Filename	Start Time
145	Introduction	1501.mp3	0:00:00
146	Anatomy Of The Urinary System	1502.mp3	0:02:05
147	Urine Formation: The Overall Scheme	1503.mp3	0:12:18
148	Urine Formation, Step 1: Glomerular Filtration	1504.mp3	0:19:12
149	Urine Formation, Step 2: Reabsorption	1505.mp3	0:29:14
150	Urine Formation, Step 3: Secretion	1506.mp3	0:38:25
151	Urine Formation, Step 4: Reabsorption Of Water	1507.mp3	0:40:25
152	Storage And Release Of Urine	1508.mp3	0:53:58
153	Blood Pressure Control By The Kidneys	1509.mp3	0:56:27
154	Acid-Base Balance In The Body	1510.mp3	1:00:29
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Track	Module 16	Filename	Start Time
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156	Anatomy Of The Male Reproductive System	1602.mp3	0:02:25
157	Meiosis	1603.mp3	0:15:29
158	Spermatogenesis: Development Of Sperm	1604.mp3	0:19:14
159	Hormonal Control Of Male Reproduction	1605.mp3	0:25:57
160	Anatomy Of The Female Reproductive System	1606.mp3	0:30:17
161	Oogenesis: Development Of The Ovum	1607.mp3	0:35:10
162	The Menstrual Cycle	1608.mp3	0:42:25
163	Fertilization, Development, And Parturition	1609.mp3	0:53:23