

Region 4 Science Products
Biology

Streamlined 2018 TEKS <i>Crossed-out items do not correlate to these TEKS.</i>	2010 TEKS	STAAR Review to Go Activities	STAAR Review to Go Volume 2 Activities	Warm Up to Science Activities	Supporting STAAR Achievement Lessons	Gateways to Science Lessons
B.4A (merged B.7G)	B.4A			1		1.4 The Dawn of Life 1.5 History of Life on Earth 2.1 Internal Environments of Organisms* 4.4 Reproduction 6.3 Classification
B.4B (cellular energy now B.9B, removed synthesis of molecules)	B.4B	Activity 1: Cellular Energy	Activity 1: Cellular Transport	2-7	Lesson 1: Cell Transport Lesson 2: Cellular Energy Conversions	2.1 Internal Environment of Organisms 2.2 Balance of Internal Environment 3.1 Solar Energy Transformations 3.5 Cellular Respiration and Energy Transformations 4.1 DNA: The Molecule of Life* 4.2 Cell Growth through Cell Division* 4.3 Plant Growth and Development 4.4 Reproduction* 5.1 Protein Synthesis*
B.4B	B.4C	Activity 3: Viral Reproduction		8-11		2.5 Maintaining Internal Balance: Defending the Body from Disease*
B.5A	B.5A		Activity 2: Cell Cycle and Growth	12-16		4.1 DNA: The Molecule of Life* 4.2 Cell Growth through Cell Division 4.3 Plant Growth and Development*
-----	B.5B			17-18		2.3 Maintaining Internal Balance in the Human Body 4.2 Cell Growth through Cell Division

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**Region 4 Science Products
Biology**

						4.3 Plant Growth and Development
B.5B	B.5C			19		4.2 Cell Growth through Cell Division* 4.3 Plant Growth and Development* 5.3 Human Genetics* 5.4 Biotechnology*
B.5C	B.5D			20		4.2 Cell Growth through Cell Division
B.6A (merged with B.9D)	B.6A	Activity 4: DNA		21–23	Lesson 3: DNA	1.4 The Dawn of Life 4.1 DNA: The Molecule of Life* 5.1 Protein Synthesis* 6.2 Natural Selection*
B.6B	B.6B			24	Lesson 3: DNA	5.4 Biotechnology* 6.2 Natural Selection*
B.6C	B.6C			25–27	Lesson 3: DNA	5.1 Protein Synthesis
B.6D	B.6D			28		5.1 Protein Synthesis 5.4 Biotechnology*
B.6E	B.6E		Activity 3: Changes in DNA	29–32		5.1 Protein Synthesis 5.3 Human Genetics*
B.6F	B.6F		Activity 4: Predicting Genetic Outcomes	33–37	Lesson 4: Predicting Genetic Outcomes	5.2 Genetics* 5.3 Human Genetics*
B.6G	B.6G	Activity 5: Meiosis		38		4.4 Reproduction 5.3 Human Genetics*
-----	B.6H			39–40		5.3 Human Genetics* 5.4 Biotechnology*

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**Region 4 Science Products
Biology**

B.7A	B.7A			41–45	Lesson 5: Evolution— Molecular and Biogeographical Evidence	6.1 Evolution 6.2 Natural Selection*
B.7B	B.7B	Activity 6: Evaluating Scientific Explanations		46		1.5 History of Life on Earth
B.7C	B.7C			47		6.2 Natural Selection
B.7D	B.7D			48–49	Lesson 6: Natural Selection	6.1 Evolution* 6.2 Natural Selection
B.7E	B.7E	Activity 7: Natural Selection		50–51	Lesson 6: Natural Selection	6.2 Natural Selection
B.7F	B.7F		Activity 5: Other Evolutionary Mechanisms	52–53		6.2 Natural Selection
B.4A Merged	B.7G			54		1.4 The Dawn of Life
B.8A	B.8A			55		6.3 Classification
B.8B	B.8B		Activity 6: Classification	56–58		6.3 Classification
B.8C	B.8C			59–61		4.4 Reproduction* 6.3 Classification
B.9A	B.9A	Activity 2: Biomolecules (do not need to review structures)		62 63-66		1.4 The Dawn of Life 3.3 Energy in Food* 3.5 Cellular Respiration and Energy Transformations 5.1 Protein Synthesis*
B.9B (with portion of 4B)	B.9B	Activity 1: Cellular Energy		67	Lesson 2: Cellular Energy Conversions	3.1 Solar Energy Transformations 3.5 Cellular Respiration and Energy Transformations 4.3 Plant Growth and Development*
B.9C	B.9C		Activity 7: The Role of Enzymes	68–69		3.4 Transforming Food Energy into Usable Nutrients 5.1 Protein Synthesis*

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Biology**

Merged with 6A	B.9D			70		1.4 The Dawn of Life
B.10A	B.10A		Activity 8: Body System Interactions	71–74	Lesson 7: Interactions of Animal Systems	2.3 Maintaining Internal Balance in the Human Body* 2.4 Responding to Our Environment* 2.5 Maintaining Internal Balance: Defending the Body from Disease* 3.4 Transforming Food Energy into Usable Nutrients* 3.5 Cellular Respiration and Energy Transformations*
B.10B	B.10B	Activity 9: Plant Systems		75–77		3.1 Solar Energy Transformations* 4.3 Plant Growth and Development 4.4 Reproduction*
B.10C	B.10C			78–79		2.3 Maintaining Internal Balance in the Human Body 2.4 Responding to Our Environment 4.3 Plant Growth and Development* 5.4 Biotechnology*
-----	B.11A	Activity 8: Homeostasis		80		2.3 Maintaining Internal Balance in the Human Body 4.3 Plant Growth and Development* 4.4 Reproduction*
-----	B.11B			81		3.2 Energy Transformations in Ecosystems* 3.3 Energy in Food* 4.3 Plant Growth and Development*

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						6.1 Evolution*
B.11A	B.11C			82		2.1 Internal Environments of Organisms 2.5 Maintaining Internal Balance: Defending the Body from Disease 3.1 Solar Energy Transformations* 3.4 Transforming Food Energy into Usable Nutrients* 4.4 Reproduction*
B.11B	B.11D	Activity 11: Ecological Succession		83–84		6.4 Sustaining Earth's Resources
B.12A	B.12A			85–88	Lesson 9: Biological Relationships	6.2 Natural Selection
B.12B	B.12B			89–90		6.2 Natural Selection* 6.4 Sustaining Earth's Resources
B.12C	B.12C	Activity 10: Flow of Matter and Energy		91–95	Lesson 8: The Flow of Matter and Energy	3.2 Energy Transformations in Ecosystems
-----	B.12D			96		3.2 Energy Transformations in Ecosystems* 6.2 Natural Selection 6.4 Sustaining Earth's Resources*
B.12D	B.12E		Activity 9: The Flow of Matter	97–98	Lesson 8: The Flow of Matter and Energy	2.5 Maintaining Internal Balance: Defending the Body from Disease* 3.1 Solar Energy Transformations* 6.4 Sustaining Earth's Resources*
B.12E	B.12F		Activity 10: Environmental	99–100		1.5 History of Life on Earth 6.4 Sustaining Earth's Resources*

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Region 4 Science Products
Biology

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