

Grade 7

From Molecules to Organisms: Structures and Processes

- 2** Using a given model, recognize that plants use light energy to make their own food during the process of photosynthesis. [SCI.AAS.7.2](#)

- 4** Label major organs of the human body (e.g., heart, lungs, diaphragm, bones, muscles, stomach, brain, intestines). [SCI.AAS.7.4](#)

- 4a** Use a model to demonstrate how organs are connected in an organ system. [SCI.AAS.7.4A](#)

- 4b** Recognize how organ systems support the survival of humans (e.g., circulatory, respiratory, skeletal, muscular, and digestive). [SCI.AAS.7.4B](#)

Ecosystems: Interactions, Energy, and Dynamics

- 5** Distinguish between living and nonliving parts of an ecosystem and the flow of energy in the ecosystem (i.e., photosynthesis and water cycle). [SCI.AAS.7.5](#)

- 6** Use data as evidence that the availability of natural resources (e.g., food, light, water) influences the growth of organisms. [SCI.AAS.7.6](#)

- 7** Interpret data to see how changes in an ecosystem (e.g., drought, forest fires) affect the animal or plant populations in an area. [SCI.AAS.7.7](#)

- 8** Identify relationships among organisms as competitive, mutually beneficial, parasitic, or neutral. [SCI.AAS.7.8](#)

- 9** Identify human behaviors that are harmful to the environment. [SCI.AAS.7.9](#)

- 9a** Identify human behaviors that are helpful to the environment. [SCI.AAS.7.9A](#)

Heredity: Inheritance and Variation of Traits

- 11** Recognize that variations between parents and offspring result from randomly inherited genes. [SCI.AAS.7.11](#)

- 12** Compare traits of animal parents and their offspring (e.g., eye color, hair/fur color, size). [SCI.AAS.7.12](#)

- 14** Recognize that technologies can impact the traits of plants and animals. [SCI.AAS.7.14](#)

Unity and Diversity

- 15** Use fossil records to identify patterns that indicate a change in a species over time. [SCI.AAS.7.15](#)

16 Compare pictorial data of embryological development in multiple species. *SCI.AAS.7.16*