

**DCI: From Molecules to Organisms:
Structures and Processes**

4.LS1.A: Structure and Function

Plants and animals have both internal and external structures that serve various functions in growth, survival, behavior, and reproduction. (4-LS1-1)

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4.LS1.D: Information Processing

Different sense receptors are specialized for particular kinds of information, which may be then processed by the animal's brain. Animals are able to use their perceptions and memories to guide their actions. (4-LS1-2)

Science and Engineering Practice

Developing and Using Models

Modeling in 3–5 builds on K–2 experiences and progresses to building and revising simple models and using models to represent events and design solutions. **Use a model to test interactions concerning the functioning of a natural system.** (4-LS1-2)

Science and Engineering Practice

Engaging in Argument from Evidence

Engaging in argument from evidence in 3–5 builds on K–2 experiences and progresses to critiquing the scientific explanations or solutions proposed by peers by citing relevant evidence about the natural and designed world(s). **Construct an argument with evidence, data, and/or a model.** (4-LS1-1)

Crosscutting Concept

Systems and System Models

A system can be described in terms of its components and their interactions. (4-LS1-1), (4-LS1-2)