

Living Organisms

Content Area: **Science**
Course(s): **Science 4**
Time Period: **Undefined**
Length: **Undefined**
Status: **Published**

Unit Overview

Essential Questions

What do living organisms need to survive?

How are plants and animals classified?

How do plants reproduce?

How do plants make food?

What are adaptations?

What plant and animal characteristics are inherited?

How do animals respond to the environment?

Content

Plants and animals are classified by their characteristics.

Plants reproduce through fertilization, germination and pollination.

Plants make food using photosynthesis.

An adaptation is a physical feature or behavior that helps an organism survive in its environment.

Plants and animals inherit characteristics from their parents.

Animals respond to stimuli in their environment.

Skills

Describe how to classify plants and animals.

Demonstrate an understanding of structures that help plants survive and reproduce.

Explain the roles of roots, leaves, and stems in making food.

Explain how physical features and behaviors help organisms interact with their environments.

Explain that plants and animals inherit characteristics that may help them survive and reproduce.

Demonstrate an understanding of how animals respond to their environments and get what they need.

Assessments

Apply the understanding of what living organisms need to survive by describing how a fern obtains food.

Study Guide

Chapter Review

Chapter Test

Benchmark Practice

Performance-Based Assessment, Program Guide pg 46: Conduct a Survey, Write a Report, and/or Design a Package

STEM Activity Book

Lessons/Learning Scenarios

Chapter 3: Lesson 1, Lesson 2, Lesson 3, Lesson 4, Lesson 5, Lesson 6

Inquiry, pg 82-83: How can flower parts be classified?

Inquiry, pg 124-125: What is inside an owl pellet?

Science Careers, pg 126

Vocabulary

Study Guide

Chapter Review

Standards

SCI.3-4.5.1.4.B.3

Formulate explanations from evidence.

SCI.3-4.5.1.4.C.1

Monitor and reflect on one's own knowledge regarding how ideas change over time.

SCI.3-4.5.1.4.D.2

Work collaboratively to pose, refine, and evaluate questions, investigations, models, and theories.

SCI.3-4.5.1.4.D.4

Handle and treat organisms humanely, responsibly, and ethically.

SCI.3-4.5.3.4.A.2	Compare and contrast structures that have similar functions in various organisms, and explain how those functions may be carried out by structures that have different physical appearances.
SCI.3-4.5.3.4.B.1	Identify sources of energy (food) in a variety of settings (farm, zoo, ocean, forest).
SCI.3-4.5.3.4.D.1	Compare the physical characteristics of the different stages of the life cycle of an individual organism, and compare the characteristics of life stages among species.
SCI.3-4.5.3.4.E.1	Model an adaptation to a species that would increase its chances of survival, should the environment become wetter, dryer, warmer, or colder over time.
SCI.3-4.5.3.4.E.2	Evaluate similar populations in an ecosystem with regard to their ability to thrive and grow.

Resources
