

Educational Resources from *Phenomenon Science Education*
Student Proficiency Goals for **NGSS K-LS1-1**



Information about K-LS1-1

NGSS Performance Expectation K-LS1-1.

Use observations to describe patterns of what plants and animals (including humans) need to survive.

Clarification Statement.

Examples of patterns could include that animals need to take in food but plants do not; the different kinds of food needed by different types of animals; the requirement of plants to have light; and, that all living things need water.

Assessment Limits.

No specific assessment limits are listed for this Performance Expectation.

Science and Engineering Practice (Analyzing and Interpreting Data)

- Use observations (firsthand or from media) to describe patterns in the natural world in order to answer scientific questions.

Disciplinary Core Idea (LS1.C: Organization for Matter and Energy Flow in Organisms)

- All animals need food in order to live and grow. They obtain their food from plants or from other animals. Plants need water and light to live and grow.

Crosscutting Concept (Patterns)

- Patterns in the natural and human designed world can be observed and used as evidence.

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Student Proficiency Goals for **NGSS K-LS1-1**



Student Proficiency Goals

SEP (Analyzing and Interpreting Data):

- Students organize data from pictures or charts (obtained from firsthand observations or from the media) about the water, food, or light that plants and animals need to live and grow.
- Students describe patterns in their organized data that indicate animals can eat plants, animals, or both plants and animals, but also that all animals need to eat.
- Students describe patterns in their organized data that indicate plants cannot live or grow if there is no water or light.
- Students use the patterns in the data they described as evidence to answer scientific questions about what plants and animals need to survive (e.g., plants need light and water to live and grow; animals need food to live and grow; and many animals get their food from plants and/or animals).

DCI (LS1.C Organization for Matter and Energy Flow in Organisms):

- Students know that plants need water and light to live and grow.
- Students know that animals need food to live and grow.
- Students know that many animals get their food from plants and/or other animals.

CCC (Patterns):

- Students identify patterns of observations (obtained firsthand or from the media) about plant and animal growth in the presence and absence of food, light, or water that can be used as evidence.