

CAPA Level III Science

Strand: LIFE SCIENCE: All organisms need energy and matter to live and grow.

Standard: 4LS2.BL32: Students know producers and consumers (herbivores, carnivores, omnivores, and decomposers) are related in food chains and food webs and may compete with each other for resources in an ecosystem.

Alternate Achievement Standard:

✓ Know that animals (consumers) eat plants and other animals for food.

Stimulus Cards (Drawing or Word Description):

#158a–#158d stimulus cards showing fish, mouse, insect, grass

#158e–#158j stimulus cards showing cow, snake, cat, horse, rabbit, hawk

Task Preparation:

Place on surface stimulus cards #158a–#158d in the following left to right order: fish, mouse, insect, grass. Indicate what is depicted in each card. Place on surface stimulus cards #158e–#158j one at a time: cow, snake, cat, horse, rabbit, hawk. Name animal and give cue. Allow time between each card for the student to respond. Remove student's response card between cues.

Correct answers: cow eats grass; snake eats fish, mouse, or bug; cat eats mouse, fish, bug, or grass; horse eats grass; rabbit eats grass; and hawk eats fish, mouse, or bug.

Cue/Direction:

This is a [name animal]. Show me what this animal eats.

Scoring Rubric:

(4) Completes task with 100% accuracy.

(3) Partially completes task (4–5 correct).

(2) Minimally completes task (1–3 correct).

(1) Attempts task.

(NR) No Response.

CAPA Level III Science

Strand: INVESTIGATION AND EXPERIMENTATION: Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations students will:

Standard: 5IE6.FL31: Classify objects (e.g., rocks, plants, and leaves) in accordance with appropriate criteria.

Alternate Achievement Standard:

✓Classify objects by appropriate criteria.

Stimulus Cards (Drawing or Word Description):

#S290a–#S290i stimulus cards showing smooth, toothed, lobed leaves

Task Preparation:

Advanced Preparation: Provide a three-section sorting structure appropriate for the student (boxes, mats, construction paper, etc.). Label each section with the following: Smooth, Toothed, Lobed.

Demonstrate the task using stimulus cards #S290a–#S290c showing a lobed leaf, a smooth leaf, and a toothed leaf. Place stimulus card #S290a in the lobed leaf section and indicate that the leaf has lobed edges; place stimulus card #S290b in the smooth leaf section and indicate that the leaf has smooth edges; place stimulus card #S290c in the toothed leaf section and indicate that the leaf has toothed edges. Place on surface stimulus cards #S290d–#S290i one at a time. Give cue. Allow time between pictures for the student to respond. Remove student's response card between cues. The student may verbally answer for credit.

Correct answers: Lobed – #S290e, #S290g; Smooth – #S290f, #S290h; Toothed – #S290d, #S290i.

Cue/Direction:

Where does this leaf go?

Scoring Rubric:

- (4) Completes task with 100% accuracy.
- (3) Partially completes task (4–5 correct).
- (2) Minimally completes task (1–3 correct).
- (1) Attempts task.
- (NR) No Response.