



Coherence and Alignment Among Science Curriculum, Instruction, and Assessment (CASCIA) Project

Grade 5 Unit 2: Matter and Energy in Organisms and Ecosystems

Task 1 Prompt 2 Scored and Annotated Anchor Sets

April 2025

Grade 5 Unit 2: Matter and Energy in Organisms and Ecosystems, Task 1 Prompt 2 Scored and Annotated Anchor Sets was developed with funding from the U.S. Department of Education under the Competitive Grants for State Assessments Program CFDA 84.368A. The contents of this paper do not represent the policy of the U.S. Department of Education, and no assumption of endorsement by the Federal government should be made.

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CASCIA Grade 5 EOU Assessment 2 Task 1: What it Takes to Grow

Prompt 2 Score Point 3

Prompt 2 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2	No aspect of the response is correct	Response includes: Air or water is a material used by rabbits and plants to grow	Response includes: - Air or water is a material used by rabbits and plants to grow - The source of materials in the rabbit's food is traced back to the air or water used by the plant	Response includes: - Air and water are the materials used by rabbits and plants to grow - The source of materials in the rabbit's food is traced back to the air and water used by the plant	NA

Score Point 3 (2/2 aspects met)

- Includes air and water are the materials used by rabbits and plants to grow.

NOTE: The student response also includes “the sun” which does not detract from the correctness of the answer.

- Describes that the source of materials in the rabbit's food is traced back to the plant.

NOTE: The student response does not explicitly state that the source of materials is traced back to air and water; however, the response describes that matter transfers to the animal when the animal eats plants that need air and water to grow.

Prompt 2

Some animals, like rabbits, only eat plants for food. When rabbits eat plants, the plant matter is broken down into tiny particles.

Identify and describe how the materials in the food a rabbit uses to grow come from the **same** materials a plant uses to grow.

The materials that plants need to grow are the sun, air, and water. When the animal eats the plant the energy and matter transfers into the animal.

CASCIA Grade 5 EOU Assessment 2 Task 1: What it Takes to Grow

Prompt 2 Score Point 2

Prompt 2 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2	No aspect of the response is correct	Response includes: Air or water is a material used by rabbits and plants to grow	Response includes: - Air or water is a material used by rabbits and plants to grow - The source of materials in the rabbit's food is traced back to the air or water used by the plant	Response includes: - Air and water are the materials used by rabbits and plants to grow - The source of materials in the rabbit's food is traced back to the air and water used by the plant	NA

Score Point 2 (2/2 aspects met)

- Includes air or water is a material used by rabbits and plants to grow.
- Includes that the source of materials in the rabbit's food is traced back to the air or water used by the plant.

Prompt 2

Some animals, like rabbits, only eat plants for food. When rabbits eat plants, the plant matter is broken down into tiny particles.

Identify and describe how the materials in the food a rabbit uses to grow come from the **same** materials a plant uses to grow.

If a plant absorbs water, and also energy from the sun. Then, the rabbit eats it, its getting water, from the plant.

CASCIA Grade 5 EOU Assessment 2 Task 1: What it Takes to Grow

Prompt 2 Score Point 1

Prompt 2 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2	No aspect of the response is correct	Response includes: Air or water is a material used by rabbits and plants to grow	Response includes: - Air or water is a material used by rabbits and plants to grow - The source of materials in the rabbit's food is traced back to the air or water used by the plant	Response includes: - Air and water are the materials used by rabbits and plants to grow - The source of materials in the rabbit's food is traced back to the air and water used by the plant	NA

Score Point 1 (1/1 aspect met)

- Includes air or water is a material used by rabbits and plants to grow.

Prompt 2

Some animals, like rabbits, only eat plants for food. When rabbits eat plants, the plant matter is broken down into tiny particles.

Identify and describe how the materials in the food a rabbit uses to grow come from the **same** materials a plant uses to grow.

They both need air and water.

CASCIA Grade 5 EOU Assessment 2 Task 1: What it Takes to Grow

Prompt 2 Score Point 0

Prompt 2 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2	No aspect of the response is correct	Response includes: Air or water is a material used by rabbits and plants to grow	Response includes: - Air or water is a material used by rabbits and plants to grow - The source of materials in the rabbit's food is traced back to the air or water used by the plant	Response includes: - Air and water are the materials used by rabbits and plants to grow - The source of materials in the rabbit's food is traced back to the air and water used by the plant	NA

Score Point 0 (0/1 aspect met)

- Does **NOT** include air or water is a material used by rabbits and plants to grow.

NOTE: The student response supports an explanation about energy transfer, not matter transfer.

Prompt 2

Some animals, like rabbits, only eat plants for food. When rabbits eat plants, the plant matter is broken down into tiny particles.

Identify and describe how the materials in the food a rabbit uses to grow come from the **same** materials a plant uses to grow.

When the sun shines on a plant giving it energy to grow. Then the rabbit eats the plant transferring it energy for it to grow.