

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

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

Task 3 Prompt 1 Scored and Annotated Anchor Sets

April 2025

Grade 5 Unit 2: Matter and Energy in Organisms and Ecosystems, Task 3 Prompt 1 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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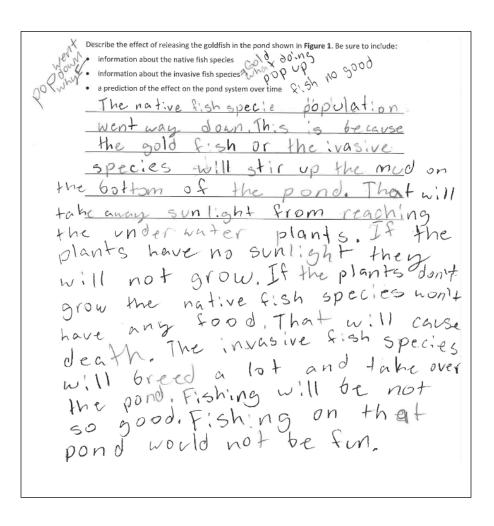
Prompt 1 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: Describes that the native fish species rely on underwater plants for survival Describes how goldfish cause the underwater plants to die Predicts that without the plant, the native species will die or disappear from the pond system	NA

Score Point 3 (3/3 aspects met)

- Describes that the native fish species rely on underwater plants for survival.
- Describes how goldfish cause the underwater plants to die.
- Predicts that without the plant, the native species will die or disappear from the pond system.

NOTE: The student response is extensive and includes additional information to further elaborate on the prediction.



Prompt 1 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: Describes that the native fish species rely on underwater plants for survival Describes how goldfish cause the underwater plants to die Predicts that without the plant, the native species will die or disappear from the pond system	NA

Score Point 2 (2/3 aspects met)

- Does **NOT** describe that the native fish species rely on underwater plants for survival.
- Describes how goldfish cause the underwater plants to die (i.e., ". . . killed the plants")
- Predicts that without the plant, the native species will die or disappear from the pond system.

NOTE: The student response states, ". . . now there is a lot of gold fish a not so much native species."

Describe the effect of releasing the goldfish in the pond shown in Figure 1. Be sure to include:
 information about the native fish species
 information about the invasive fish species
a prediction of the effect on the pond system over time
the goldfish started to make
More mud from moving or lot witch
Milled the Plants and the
native species started tile
Witch wode more food for the gold
fish and now there is a lot of gold
fish a notso much native species.
The fire species,

Prompt 1 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: Describes that the native fish species rely on underwater plants for survival Describes how goldfish cause the underwater plants to die Predicts that without the plant, the native species will die or disappear from the pond system	NA

Score Point 1 (1/3 aspects met)

- Does **NOT** describe that the native fish species rely on underwater plants for survival.
- Does **NOT** correctly describe how goldfish cause the underwater plants to die.
- Predicts that without the plant, the native species will die or disappear from the pond system.

NOTE: The student response describes that the species population [native] decreases.

Describe the effec	t of releasing the g	oldfish in the pond :	shown in Figure 1.	. Be sure to include:
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- information about the native fish species
- information about the invasive fish species
- a prediction of the effect on the pond system over time

In year I three went any invasive, but over time come more and more and the (spains) population decreases

Prompt 1 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: Describes that the native fish species rely on underwater plants for survival Describes how goldfish cause the underwater plants to die Predicts that without the plant, the native species will die or disappear from the pond system	NA

Score Point 0 (0/3 aspects met)

- Does **NOT** describe that the native fish species rely on underwater plants for survival.
- Does **NOT** correctly describe how goldfish cause the underwater plants to die.
- Does NOT correctly predict that without the plant, the native species will die or disappear from the pond system.

Describe the effect of releasing the goldfish in the pond shown in Figure 1. Be sure to include:

- information about the native fish species
- information about the invasive fish species
- a prediction of the effect on the pond system over time

gold fish ore rore to find