

Science Grade 7 A

Grade Level Standard(s):

6-ESS2-2

Required Assessment Materials:

- Science 7 A Attainment Task Questions for Student Use

Response Code:

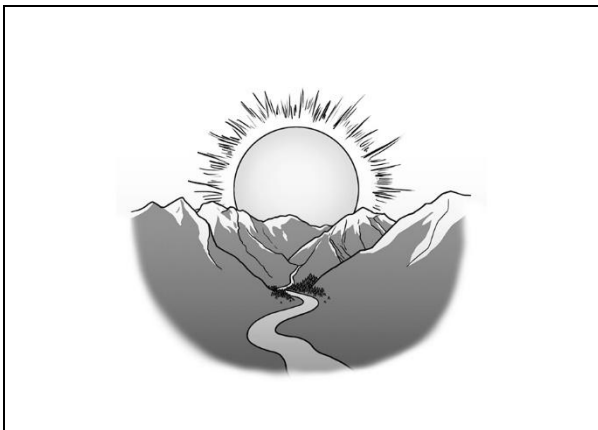
- Indicate the answer provided by the student.

Text Coding:

- “Quotation marks” indicate the script that the teacher should read to the student.
- *Italicized text* provides further direction for the test administrator.
- Words in parentheses () are optional; they may replace or be read in addition to the word(s) immediately preceding.

a.

Light shining on a mountain



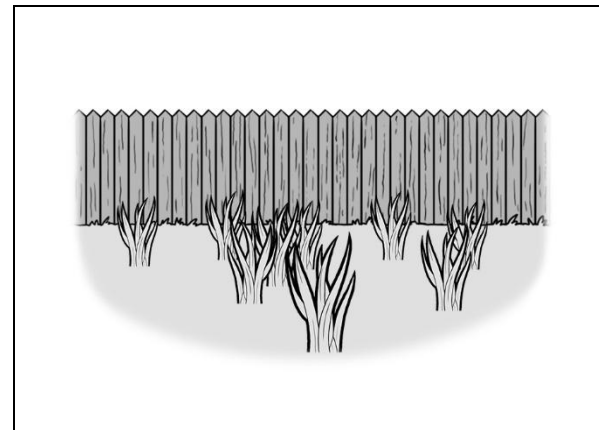
b.

Rain breaking down a rock



c.

Grass growing in the yard



Before beginning task administration, please ensure that all conditions specified in the administration protocol (starting on page 9 of the Administration Guide Overview and Attainment Task Administration) have been met. Inform the student that the task is about to start by saying, “We are about to start the task, and I am going to ask you some questions.”

All questions from this task are available for presentation to the student in the material Science 7 A Attainment Task Questions for Student Use.

“John and Sam are studying the effects of erosion in school. There is a stream that flows from a pond through the middle of the local park. They are sitting at a picnic table in the sun near the stream. The boys want to stop the erosion of the streambanks at the park. John says he is confused about erosion and Sam gives him some examples.”

1. “Which is an example of erosion?”

Response Option	Response Rationale
a. Light shining on a mountain	<i>The student recognizes that mountains are a formation on the Earth’s surface but does not understand the process of erosion.</i>
b. Rain breaking down a rock (Correct)	<i>The student understands the water’s movement from falling over time can cause elements of the Earth’s surface to erode.</i>
c. Grass growing in the yard	<i>The student understands that grass is part of the Earth’s surface but does not understand the process of erosion.</i>
Depth of Knowledge (DOK) 1	

Science 7 A Attainment Task Questions for Student Use

1. Which is an example of erosion?

Kentucky Academic Standard: 6-ESS2-2. Construct an explanation based on evidence for how biological and geoscience processes have changed Earth's surface at varying time and spatial scales.

Alternate Assessment Target: *No limitations. All parts of the Kentucky Academic Standard are eligible to be included as an assessment item.*

Student Group	Number of Students*	Percent Correct #5
All Students	593	33.90%
Gender		
Female	212	33.02%
Male	381	34.38%
Ethnicity		
African American	75	17.33%
American Indian or Alaska Native	<10	Not Reported
Asian	<10	Not Reported
Hispanic or Latino	60	35.00%
Native Hawaiian or Pacific Islander	<10	Not Reported
White (Non-Hispanic)	412	37.14%
Two or More Races	39	30.77%
English Learner	37	40.54%
Economically Disadvantaged	403	34.74%

*Number of students that attempted the item