



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

Grade 5 Unit 4: Earth and its Gravitational Force and Motion

Task 1 Prompt 2 Scored and Annotated Anchor Set

May 2025

Grade 5 Unit 4: Earth and its Gravitational Force and Motion, Task 1 Prompt 2 Scored and Annotated Anchor Set 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 4 Task 1: Here Comes the Sun

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 one (1) of the two (2) aspects	Response includes the following aspects: - The length of the shadow in the summer will be shorter than the length of the shadow in the winter - Relates the angle of the sun's light when it hits Earth's surface is different in the summer and winter which affects the length of the shadow	NA	NA

Score Point 2 (2/2 aspects met)

- Circles "shorter."
- Relates the angle of the sun's light when it hits Earth's surface as different in the summer and winter, which affects the length of the shadow.

Circle the correct word to complete the sentence.

shorter

longer

The length of the shadow on the sundial in the summer will be _____ than the length of the shadow in the winter.

Describe what causes the length of the shadow on the sundial to change from summer to winter.

It changes from summer to winter because of the angle of the sun. In the winter the sun is lower so the shadows are longer. When the sun is high in the sky the shadows are shorter. That's what makes the sundial change from summer to winter.

CASCIA Grade 5 EOU Assessment 4 Task 1: Here Comes the Sun

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 one (1) of the two (2) aspects	Response includes the following aspects: - The length of the shadow in the summer will be shorter than the length of the shadow in the winter - Relates the angle of the sun's light when it hits Earth's surface is different in the summer and winter which affects the length of the shadow	NA	NA

Score Point 1 (1/2 aspects met)

- Circles "shorter."
- Does **NOT** relate the angle of the sun's light when it hits Earth's surface as different in the summer and winter, which affects the length of the shadow (i.e., gives the reason as Earth rotating away from the sun).

Circle the correct word to complete the sentence.

shorter

longer

The length of the shadow on the sundial in the summer will be shorter than the length of the shadow in the winter.

Describe what causes the length of the shadow on the sundial to change from summer to winter.

What makes the length of the shadows
chang from summer to winter is when
the earth is rotating we get farther from
the sun and closer to the sun.

CASCIA Grade 5 EOU Assessment 4 Task 1: Here Comes the Sun

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 one (1) of the two (2) aspects	Response includes the following aspects: - The length of the shadow in the summer will be shorter than the length of the shadow in the winter - Relates the angle of the sun's light when it hits Earth's surface is different in the summer and winter which affects the length of the shadow	NA	NA

Score Point 0 (0/2 aspects met)

- Does **NOT** circle "shorter."
- Does **NOT** relate the angle of the sun's light when it hits Earth's surface as different in the summer and winter, which affects the length of the shadow (i.e., gives the revolution of the Earth around the sun as the cause).

Circle the correct word to complete the sentence.

shorter longer

The length of the shadow on the sundial in the summer will be longer than the length of the shadow in the winter.

Describe what causes the length of the shadow on the sundial to change from summer to winter.

the cause of the change of the shadows is the way that the earth revolves around the sun. That's why the sun look like it is revolving around us.