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 1 Part D Scored and Annotated Anchor Set

May 2025

Grade 5 Unit 4: Earth and its Gravitational Force and Motion, Task 1 Prompt 1 Part D 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.

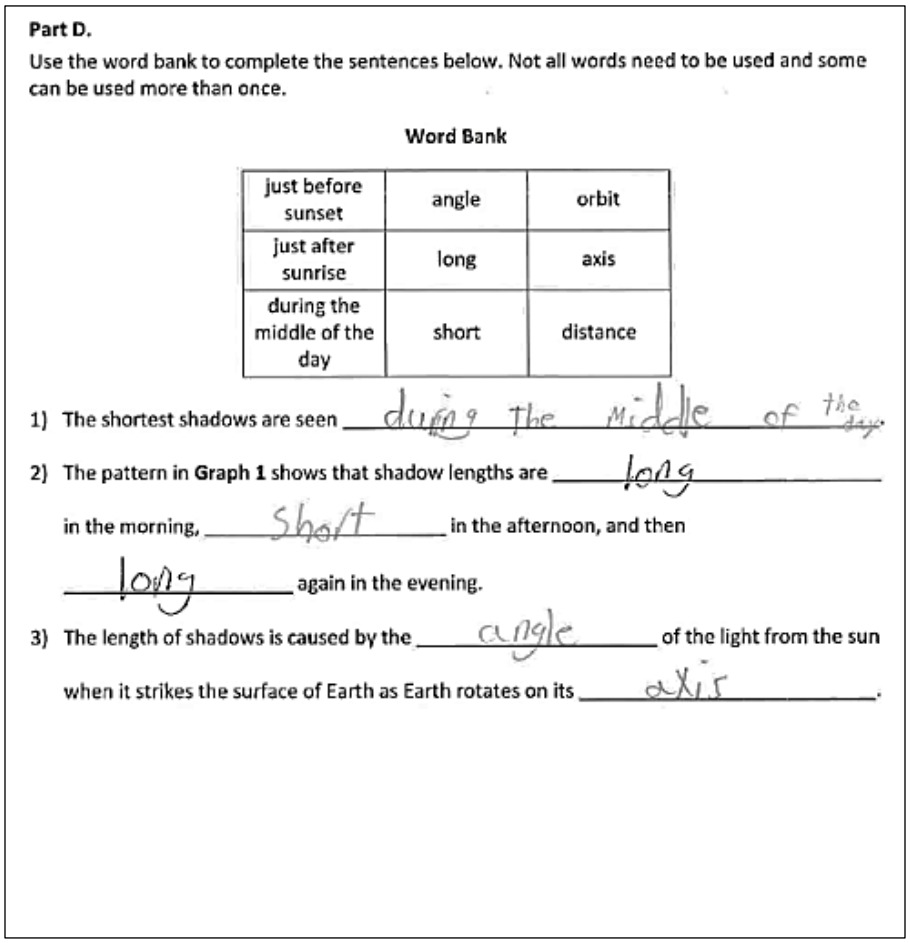
CASCIA Grade 5 EOU Assessment 4 Task 1: Here Comes the Sun
Prompt 1 Part D Score Point 3

Prompt 1 Part D Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part D.	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: • Shortest shadows are seen during the middle of the day • Evidence from Graph 1 shows shadows start long in the morning, get short in the afternoon, then get long again in the evening • The length of shadows is caused by the angle of the sun's light striking Earth's surface as Earth rotates on its axis	NA

Score Point 3 (3/3 aspects met)

- Part D
  - Includes the statement: shortest shadows are seen during the middle of the day.
  - Includes the statement: evidence from Graph 1 shows shadows start long in the morning, get short in the afternoon, and then get long again in the evening.
  - Includes the statement: the length of shadows is caused by the angle of the sun's light striking Earth's surface as Earth rotates on its axis.



Part D.

Use the word bank to complete the sentences below. Not all words need to be used and some can be used more than once.

Word Bank

just before sunset	angle	orbit
just after sunrise	long	axis
during the middle of the day	short	distance

1) The shortest shadows are seen during the middle of the day.

2) The pattern in **Graph 1** shows that shadow lengths are long in the morning, short in the afternoon, and then long again in the evening.

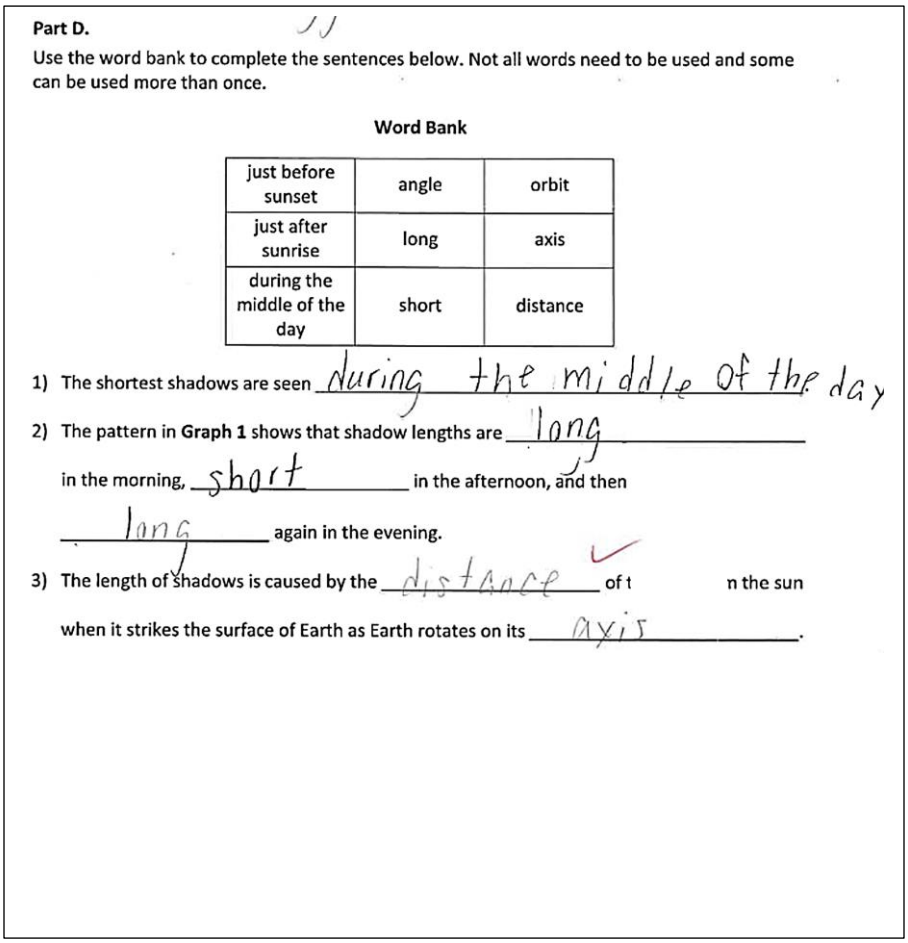
3) The length of shadows is caused by the angle of the light from the sun when it strikes the surface of Earth as Earth rotates on its axis.

CASCIA Grade 5 EOU Assessment 4 Task 1: Here Comes the Sun
Prompt 1 Part D Score Point 2
Prompt 1 Part D Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part D.	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: • Shortest shadows are seen during the middle of the day • Evidence from Graph 1 shows shadows start long in the morning, get short in the afternoon, then get long again in the evening • The length of shadows is caused by the angle of the sun's light striking Earth's surface as Earth rotates on its axis	NA

Score Point 2 (2/3 aspects met)

- Part D
  - Includes the statement: shortest shadows are seen during the middle of the day.
  - Includes the statement: evidence from Graph 1 shows shadows start long in the morning, get short in the afternoon, and then get long again in the evening.
  - Does **NOT** include the statement: the length of shadows is caused by the angle of the sun's light striking Earth's surface as Earth rotates on its axis (i.e., uses distance instead of angle).



Part D. JJ

Use the word bank to complete the sentences below. Not all words need to be used and some can be used more than once.

Word Bank

just before sunset	angle	orbit
just after sunrise	long	axis
during the middle of the day	short	distance

1) The shortest shadows are seen during the middle of the day

2) The pattern in **Graph 1** shows that shadow lengths are long in the morning, short in the afternoon, and then long again in the evening.

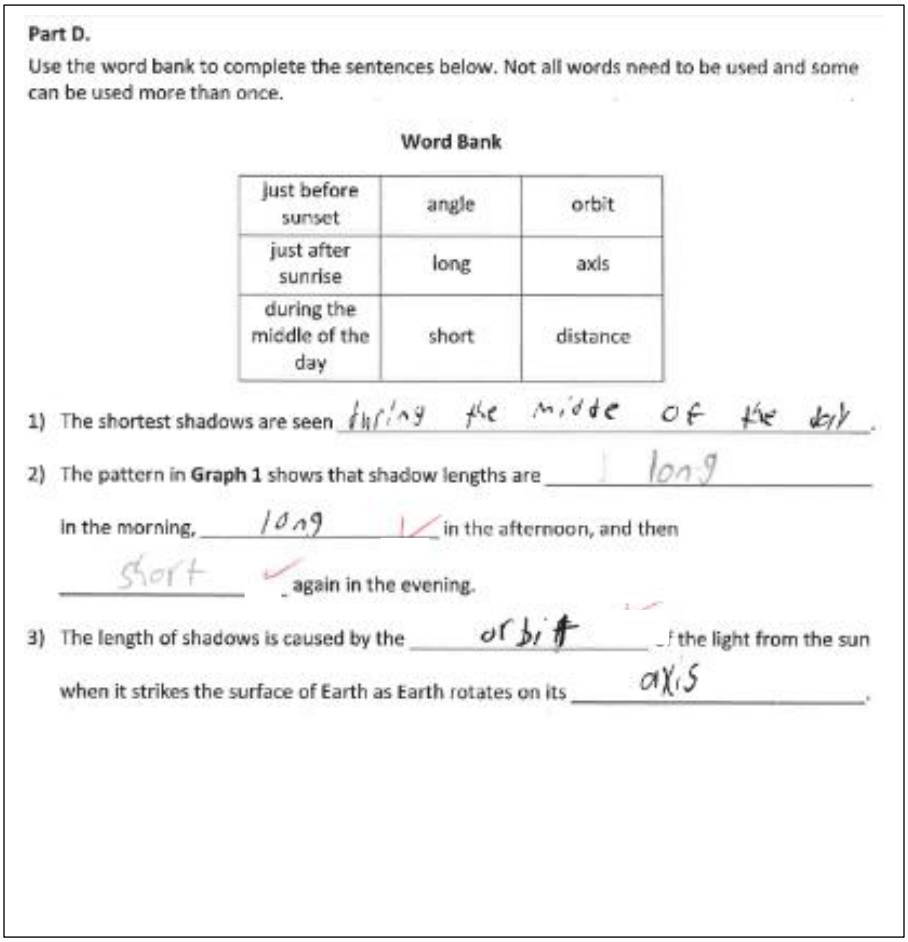
3) The length of shadows is caused by the distance of t n the sun when it strikes the surface of Earth as Earth rotates on its axis.

CASCIA Grade 5 EOU Assessment 4 Task 1: Here Comes the Sun
Prompt 1 Part D Score Point 1
Prompt 1 Part D Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part D.	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: • Shortest shadows are seen during the middle of the day • Evidence from Graph 1 shows shadows start long in the morning, get short in the afternoon, then get long again in the evening • The length of shadows is caused by the angle of the sun's light striking Earth's surface as Earth rotates on its axis	NA

Score Point 1 (1/3 aspects met)

- Part D
  - Includes the statement: shortest shadows are seen during the middle of the day.
  - Does **NOT** include the statement: evidence from Graph 1 shows shadows start long in the morning, get short in the afternoon, and then get long again in the evening (i.e., transposes "short" and "long").
  - Does **NOT** include the statement: the length of shadows is caused by the angle of the sun's light striking Earth's surface as Earth rotates on its axis (i.e., uses "orbit" instead of "angle").



Part D.

Use the word bank to complete the sentences below. Not all words need to be used and some can be used more than once.

Word Bank

just before sunset	angle	orbit
just after sunrise	long	axis
during the middle of the day	short	distance

1) The shortest shadows are seen during the middle of the day.

2) The pattern in **Graph 1** shows that shadow lengths are long

In the morning, long ✓ in the afternoon, and then

short ✓ again in the evening.

3) The length of shadows is caused by the orbit of the light from the sun

when it strikes the surface of Earth as Earth rotates on its axis.

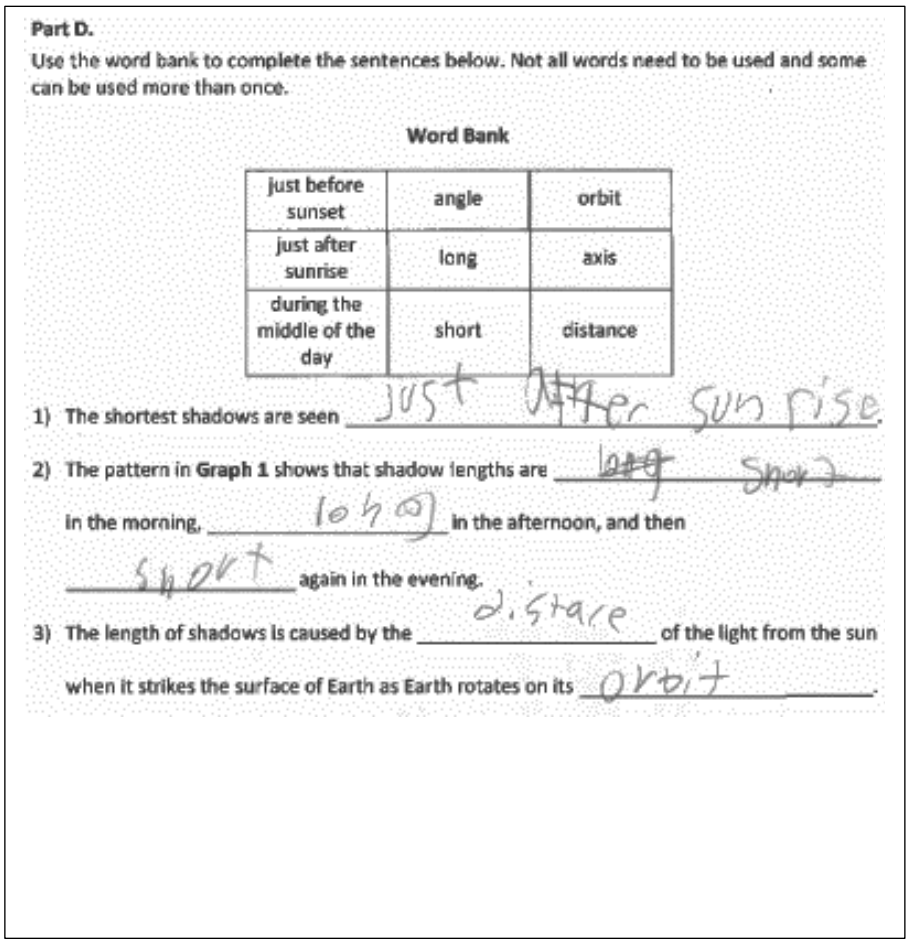
CASCIA Grade 5 EOU Assessment 4 Task 1: Here Comes the Sun
Prompt 1 Part D Score Point 0

Prompt 1 Part D Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part D.	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: • Shortest shadows are seen during the middle of the day • Evidence from Graph 1 shows shadows start long in the morning, get short in the afternoon, then get long again in the evening • The length of shadows is caused by the angle of the sun's light striking Earth's surface as Earth rotates on its axis	NA

Score Point 0 (0/3 aspects met)

- Part D
  - Does **NOT** include the statement: shortest shadows are seen during the middle of the day.
  - Does **NOT** include the statement: evidence from Graph 1 shows shadows start long in the morning, get short in the afternoon, and then get long again in the evening.
  - Does **NOT** include the statement: the length of shadows is caused by the angle of the sun's light striking Earth's surface as Earth rotates on its axis.



Part D.

Use the word bank to complete the sentences below. Not all words need to be used and some can be used more than once.

Word Bank

just before sunset	angle	orbit
just after sunrise	long	axis
during the middle of the day	short	distance

1) The shortest shadows are seen just after sun rise.

2) The pattern in **Graph 1** shows that shadow lengths are ~~long~~ short in the morning, long in the afternoon, and then short again in the evening.

3) The length of shadows is caused by the distance of the light from the sun when it strikes the surface of Earth as Earth rotates on its orbit.