



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

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

Task 2 Prompt 2 Part A Scored and Annotated Anchor Set

May 2025

Grade 5 Unit 4: Earth and its Gravitational Force and Motion, Task 2 Prompt 2 Part A 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 2: Meet the Beetles!

Prompt 2 Part A Score Point 2

Prompt 2 Part A Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A.	No aspect of the response is correct	Response includes at least three (3) of the five (5) stars in the correct order	Response includes the following aspects: Places the apparent brightness of all five (5) stars in the correct order	NA	NA

Score Point 2 (2/2 aspects met)

- Places the apparent brightness of all **five (5)** stars in the correct order.

Use Table 1 to order the stars from **brightest to dimmest** as seen from Earth.

		Name of Star
	Sun = -26.7	Sun
	Brightest	<u>(-1.5) Sirius</u>
		<u>(0.1) Rigel</u>
		<u>(0.3) Procyon</u>
		<u>(1.2) Pollux</u>
	Dimmest	<u>(1.6) Ostar</u>

CASCIA Grade 5 EOU Assessment 4 Task 2: Meet the Beetles!

Prompt 2 Part A Score Point 1

Prompt 2 Part A Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A.	No aspect of the response is correct	Response includes at least three (3) of the five (5) stars in the correct order	Response includes the following aspects: Places the apparent brightness of all five (5) stars in the correct order	NA	NA

Score Point 1 (1/2 aspects met)

- Places the apparent brightness of **three (3)** out of **five (5)** stars in the correct order.

Use Table 1 to order the stars from **brightest to dimmest** as seen from Earth.

		Name of Star
	Sun = - 26.7	Sun
☆	Brightest	Sirius
↓		Rigel
☆		Pollux
↓		Procyon
☆	Dimmest	Cassiopeia

CASCIA Grade 5 EOU Assessment 4 Task 2: Meet the Beetles!

Prompt 2 Part A Score Point 0

Prompt 2 Part A Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A.	No aspect of the response is correct	Response includes at least three (3) of the five (5) stars in the correct order	Response includes the following aspects: Places the apparent brightness of all five (5) stars in the correct order	NA	NA

Score Point 0 (0/2 aspects met)

- Does **NOT** place the apparent brightness of at **least three (3)** of the **five (5)** stars in the correct order.

Use **Table 1** to order the stars from **brightest to dimmest** as seen from Earth.

		Name of Star
	Sun = -26.7	Sun
☆	Brightest	<u>si se /</u>
↓		<u>cas + or</u>
☆		<u>pol lux</u>
↓		<u>si ri es</u>
☆	Dimmest	<u>procyon</u>