



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

Grade 8 Unit 2: Gravity and Motion of Objects in the Solar System

Task 2 Prompt 2 Part B Scored and Annotated Anchor Set

March 2025

Grade 8 Unit 2: Gravity and Motion of Objects in the Solar System, Task 2 Prompt 2 Part B 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 8 EOU Assessment 2 Task 2: Earth, Moon, and Sun

Prompt 2 Part B Score Point 2

Prompt 2 Part B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part B.	No aspect of the response is correct	Response includes one (1) of the two (2) aspects	Response includes the following aspects: - The positions of the sun, moon, and Earth affect the phases - The angle of the sunlight reaching the side of the moon that faces Earth affects the phases	NA	NA

Score Point 2 (2/2 aspects met)

- Part B
 - Includes the positions of the sun, moon, and Earth affect the phases of the moon (i.e., The student states, "The moon orbits Earth while the Earth orbits the sun.").
 - Includes a description of how the angle of the sunlight reaching the side of the moon that faces Earth affects the phases (i.e., The student states, "... sometimes with different angles it (the moon) only lites it up part way.").

Part B.

Why do the moon phases as observed from Earth change as the month progresses? Refer to Figure 2 and the positions of the Earth, sun, and moon to support your response.

The moon orbits earth while the earth orbits the sun ~~xx~~ the sun ~~xx~~ gives the moon light and sometimes with different angles it only lites it up part way.

CASCIA Grade 8 EOU Assessment 2 Task 2: Earth, Moon, and Sun

Prompt 2 Part B Score Point 1

Prompt 2 Part B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part B.	No aspect of the response is correct	Response includes one (1) of the two (2) aspects	Response includes the following aspects: - The positions of the sun, moon, and Earth affect the phases - The angle of the sunlight reaching the side of the moon that faces Earth affects the phases	NA	NA

Score Point 1 (1/2 aspects met)

- Part B
 - Includes a description that the positions of the sun, moon, and Earth affect the phases of the moon.
 - Does **NOT** include a description of how the angle of the sunlight reaching the side of the moon that faces Earth, affects the phases of the moon.

Part B.

Why do the moon phases as observed from Earth change as the month progresses? Refer to Figure 2 and the positions of the Earth, sun, and moon to support your response.

It is based on what position the sun is and how the earth and the moon line up.

CASCIA Grade 8 EOU Assessment 2 Task 2: Earth, Moon, and Sun

Prompt 2 Part B Score Point 0

Prompt 2 Part B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part B.	No aspect of the response is correct	Response includes one (1) of the two (2) aspects	Response includes the following aspects: - The positions of the sun, moon, and Earth affect the phases - The angle of the sunlight reaching the side of the moon that faces Earth affects the phases	NA	NA

Score Point 0 (0/2 aspects met)

- Part B
 - Does **NOT** include a description of how the positions of the sun, moon, and Earth affect the phases of the moon.
 - Does **NOT** include a description of how the angle of the sunlight reaching the side of the moon that faces Earth affects the phases of the moon.

Part B.

Why do the moon phases as observed from Earth change as the month progresses? Refer to Figure 2 and the positions of the Earth, sun, and moon to support your response.

The moon phases change because of which way the earth is facing during the night.