

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

Grade 8 Unit 3: Understanding Earth History and the Origin of Species

Task 1 Prompt 1 Part B Scored and Annotated Anchor Set

May 2025

Grade 8 Unit 3: Understanding Earth History and the Origin of Species, Task 1 Prompt 1 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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Prompt 1 Part B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part B.	No aspect of the response is correct	Identifies one (1) of the three (3) aspects	Identifies two (2) of the three (3) aspects	Response includes the following aspects: Identifies the oldest fossil is in Location 1 Describes relative age of different rock strata Includes a comparison of all three locations in Figure 1 (e.g., Law of Superposition)	NA

Score Point 3 (3/3 aspects met)

- Part B
 - Identifies the oldest fossil is in Location 1.
 - Describes relative age of different rock strata.
 - Includes a comparison of all three locations in Figure 1.

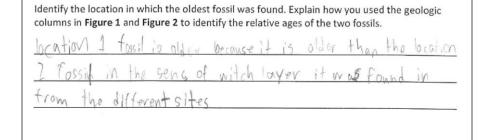
Identify the location in which the oldest fossil was found. Explain how you used the geologic columns in Figure 1 and Figure 2 to identify the relative ages of the two fossils.
The oldest fossil was found at
location I. The rock layers of location
two line up with the upper layers
of location 3. The rock layers of
location I line up with the lower
rock layers of location 3, so the fossil in
location I is two rock layers older than the one in
location 1.

Prompt 1 Part B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part B.	No aspect of the response is correct	Identifies one (1) of the three (3) aspects	Identifies two (2) of the three (3) aspects	Response includes the following aspects: Identifies the oldest fossil is in Location 1 Describes relative age of different rock strata Includes a comparison of all three locations in Figure 1 (e.g., Law of Superposition)	NA

Score Point 2 (2/3 aspects met)

- Part B
 - Identifies the oldest fossil is in Location 1.
 - Does **NOT** describe relative age of different rock strata.
 - Includes a reference to comparing the three locations in Figure 1 (i.e., "... the sense of witch [sic] layer it was found in from the different sites").



Prompt 1 Part B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part B.	No aspect of the response is correct	Identifies one (1) of the three (3) aspects	Identifies two (2) of the three (3) aspects	Response includes the following aspects: Identifies the oldest fossil is in Location 1 Describes relative age of different rock strata Includes a comparison of all three locations in Figure 1 (e.g., Law of Superposition)	NA

Score Point 1 (1/3 aspects met)

- Part B
 - Does **NOT** identify the oldest fossil is in Location 1.
 - Describes relative age of different rock strata (i.e., the student explains by saying ". . . because it is lower than . . .").
 - Does **NOT** include a comparison of all three locations in Figure 1.

Identify the location in which the oldest fossil was found. Explain how y columns in Figure 1 and Figure 2 to identify the relative ages of the two	fossils.
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than the fossic in La	ecation ones

Prompt 1 Part B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part B.	No aspect of the response is correct	Identifies one (1) of the three (3) aspects	Identifies two (2) of the three (3) aspects	Response includes the following aspects: Identifies the oldest fossil is in Location 1 Describes relative age of different rock strata Includes a comparison of all three locations in Figure 1 (e.g., Law of Superposition)	NA

Score Point 0 (0/3 aspects met)

- Part B
 - Does **NOT** identify the oldest fossil is in Location 1.
 - Does **NOT** describe relative age of different rock strata.
 - Does **NOT** include a comparison of all three locations in Figure 1.

1	Identify the location in which the oldest fossil was found. Explain how you used the geologic columns in Figure 1 and Figure 2 to identify the relative ages of the two fossils.
both Nava a Shell fossil + The first ones don't.	both Nave a Shell fossil + The first ones don't.