



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

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

Task 2 Prompt 1 Parts A & B Scored and Annotated Anchor Set

May 2025

Grade 8 Unit 3: Understanding Earth History and the Origin of Species, Task 2 Prompt 1 Parts A & 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 3 Task 2: Hold Your Horses!

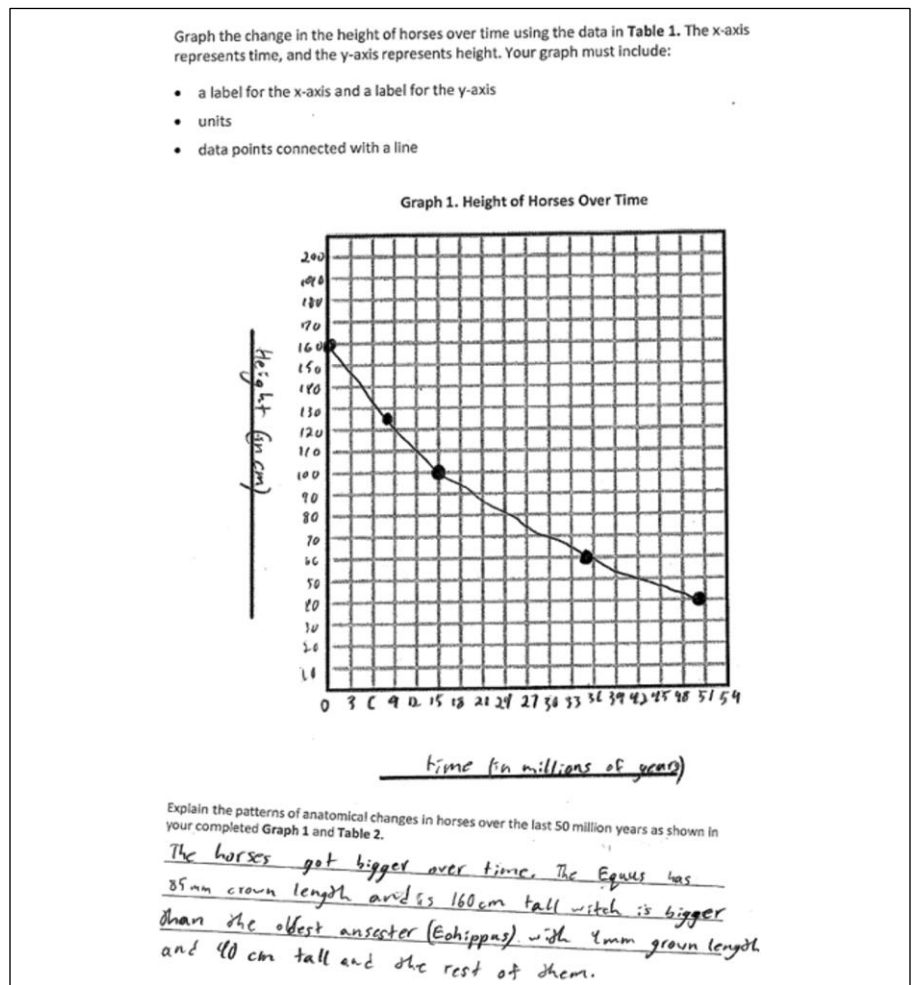
Prompt 1 Parts A & B Score Point 4

Prompt 1 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part A. & Part B.	No aspect of the response is correct	Response includes one (1) of the four (4) aspects	Response includes two (2) of the four (4) aspects	Response includes three (3) of the four (4) aspects	Response includes the following aspects: Part A - Axis labels (x-axis labeled as "Time" and y-axis labeled as "Height") - Units (Time as "millions of years" or "MYA"; Height as "centimeters" or "cm") - Data points connected with a line Part B - Describes trends in Graph 1 and Table 1 as both increase in size

Score Point 4 (4/4 aspects met)

- Part A
 - Includes x-axis labeled as "Time" and y-axis labeled as "Height."
 - Includes Time units as "millions of years" or "MYA"; Height units as "centimeters" or "cm."
 - Includes a line connecting the data points.
- Part B
 - Describes trends showing horses' height and molar crown length as increasing in size over time.



CASCIA Grade 8 EOU Assessment 3 Task 2: Hold Your Horses!

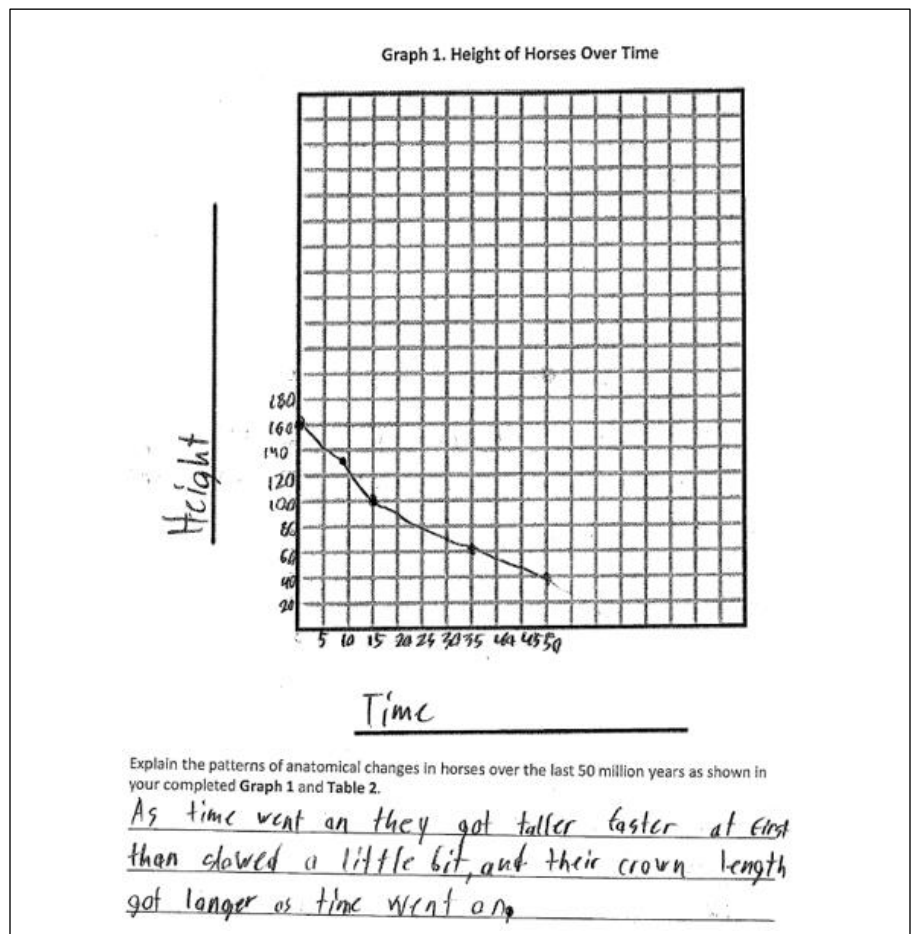
Prompt 1 Parts A & B Score Point 3

Prompt 1 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part A. & Part B.	No aspect of the response is correct	Response includes one (1) of the four (4) aspects	Response includes two (2) of the four (4) aspects	Response includes three (3) of the four (4) aspects	Response includes the following aspects: Part A - Axis labels (x-axis labeled as “Time” and y-axis labeled as “Height”) - Units (Time as “millions of years” or “MYA”; Height as “centimeters” or “cm”) - Data points connected with a line Part B - Describes trends in Graph 1 and Table 1 as both increase in size

Score Point 3 (3/4 aspects met)

- Part A
 - Includes x-axis labeled as “Time” and y-axis labeled as “Height.”
 - Does **NOT** include Time units as “millions of years” or “MYA”; Height units as “centimeters” or “cm.”
 - Includes a line connecting the data points.
- Part B
 - Describes trends showing horses’ height (i.e., “they got taller”) and molar crown length (i.e., “got longer”) as increasing in size over time.



CASCIA Grade 8 EOU Assessment 3 Task 2: Hold Your Horses!

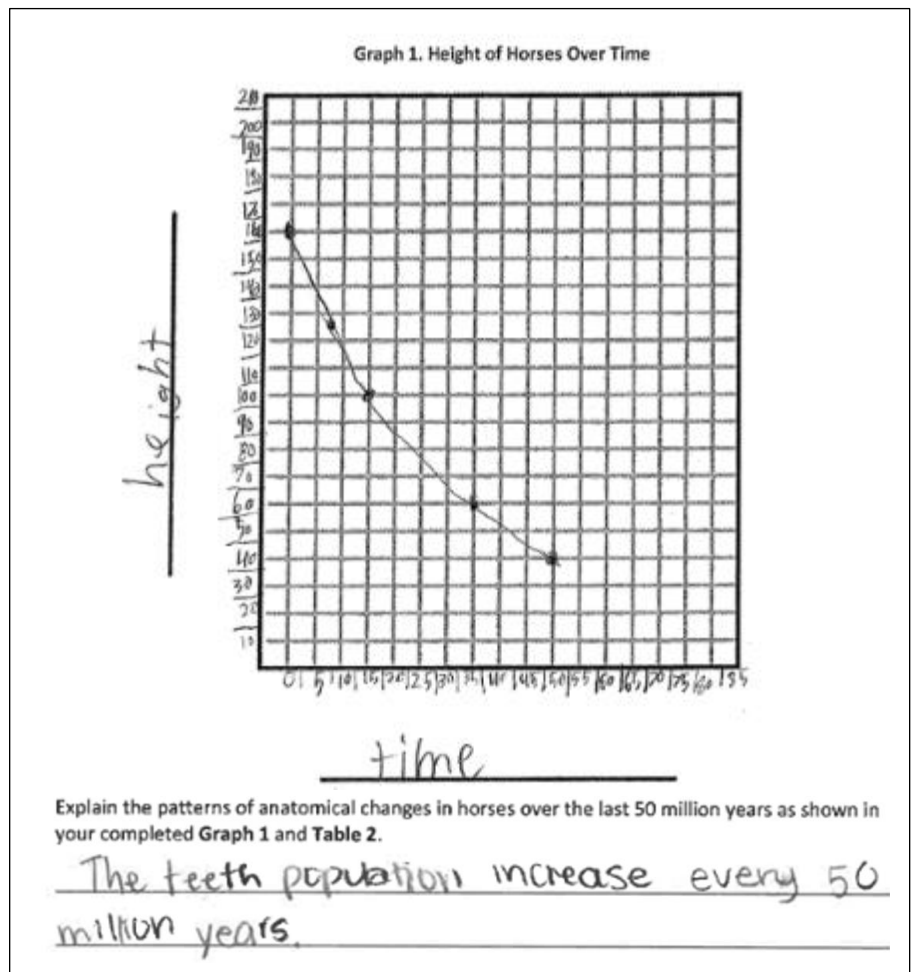
Prompt 1 Parts A & B Score Point 2

Prompt 1 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part A. & Part B.	No aspect of the response is correct	Response includes one (1) of the four (4) aspects	Response includes two (2) of the four (4) aspects	Response includes three (3) of the four (4) aspects	Response includes the following aspects: Part A - Axis labels (x-axis labeled as “Time” and y-axis labeled as “Height”) - Units (Time as “millions of years” or “MYA”; Height as “centimeters” or “cm”) - Data points connected with a line Part B - Describes trends in Graph 1 and Table 1 as both increase in size

Score Point 2 (2/4 aspects met)

- Part A
 - Includes x-axis labeled as “Time” and y-axis labeled as “Height.”
 - Does **NOT** include Time units as “millions of years” or “MYA”; Height units as “centimeters” or “cm.”
 - Includes a line connecting the data points.
- Part B
 - Does **NOT** describe trends shown in Graph 1 and Table 1.



CASCIA Grade 8 EOU Assessment 3 Task 2: Hold Your Horses!

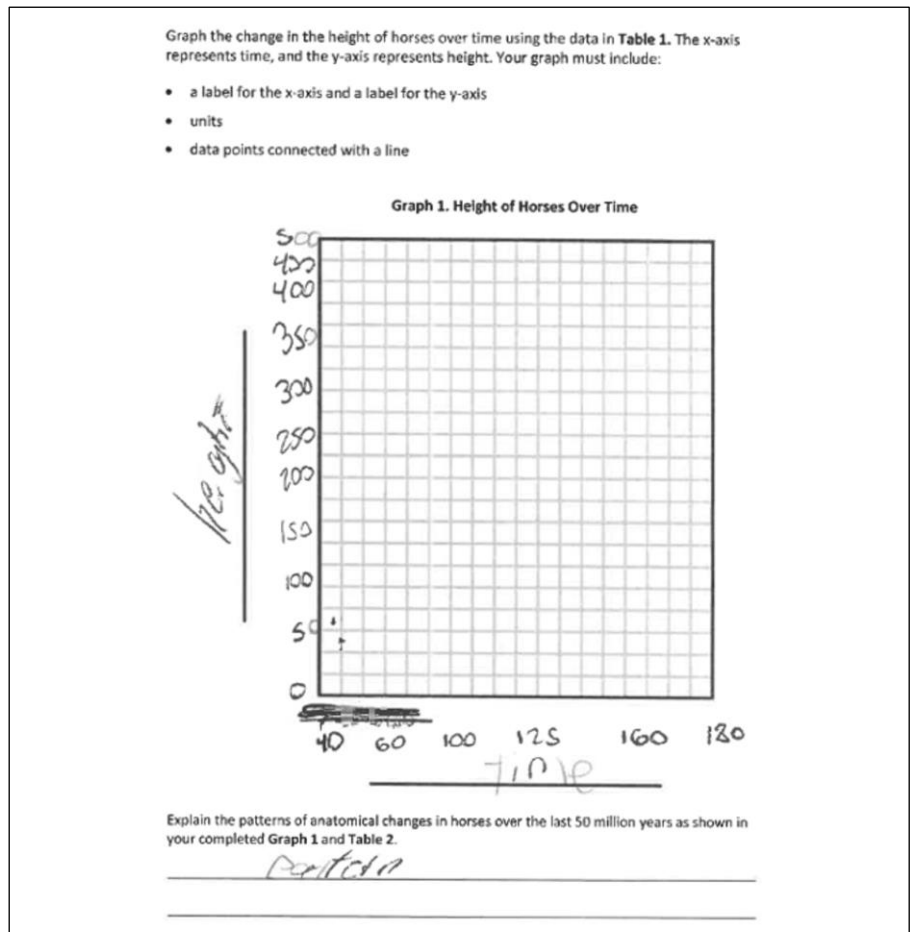
Prompt 1 Parts A & B Score Point 1

Prompt 1 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part A. & Part B.	No aspect of the response is correct	Response includes one (1) of the four (4) aspects	Response includes two (2) of the four (4) aspects	Response includes three (3) of the four (4) aspects	Response includes the following aspects: Part A - Axis labels (x-axis labeled as “Time” and y-axis labeled as “Height”) - Units (Time as “millions of years” or “MYA”; Height as “centimeters” or “cm”) - Data points connected with a line Part B - Describes trends in Graph 1 and Table 1 as both increase in size

Score Point 1 (1/4 aspects met)

- Part A
 - Includes x-axis labeled as “Time” and y-axis labeled as “Height.”
 - Does **NOT** Include Time units as “millions of years” or “MYA”; Height units as “centimeters” or “cm.”
 - Does **NOT** include a line connecting the data points.
- Part B
 - Does **NOT** describe trends shown in Graph 1 and Table 1.



CASCIA Grade 8 EOU Assessment 3 Task 2: Hold Your Horses!

Prompt 1 Parts A & B Score Point 0

Prompt 1 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part A. & Part B.	No aspect of the response is correct	Response includes one (1) of the four (4) aspects	Response includes two (2) of the four (4) aspects	Response includes three (3) of the four (4) aspects	Response includes the following aspects: Part A - Axis labels (x-axis labeled as “Time” and y-axis labeled as “Height”) - Units (Time as “millions of years” or “MYA”; Height as “centimeters” or “cm”) - Data points connected with a line Part B - Describes trends in Graph 1 and Table 1 as both increase in size

Score Point 0 (0/4 aspects met)

- Part A
 - Does **NOT** label the axes.
 - Does **NOT** include Time units as “millions of years” or “MYA”; Height units as “centimeters” or “cm.”
 - Does **NOT** include data points or a line connecting the data points.
- Part B
 - Does **NOT** describe trends shown in Graph 1 and Table 1.

Graph the change in the height of horses over time using the data in **Table 1**. The x-axis represents time, and the y-axis represents height. Your graph must include:

- a label for the x-axis and a label for the y-axis
- units
- data points connected with a line

Graph 1. Height of Horses Over Time

Explain the patterns of anatomical changes in horses over the last 50 million years as shown in your completed **Graph 1** and **Table 2**.

it takes time to change