



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

Grade 5 Unit 3: Earth Systems and the Solution of Water Problems

Task 2 Prompt 3 Parts A & B Scored and Annotated Anchor Set

May 2025

Grade 5 Unit 3: Earth Systems and the Solution of Water Problems, Task 2 Prompt 3 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 5 EOU Assessment 3 Task 2: Searching for Freshwater

Prompt 3 Parts A & B Score Point 4

Prompt 3 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 3 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 - Accurately indicates the percent distribution for each fresh surface water source and labels each fresh surface water source Part B - Description of the relative proportions between sources of water on Earth - Data relates to the corresponding water sources - Clear conclusion about the importance/rarity of freshwater springs in relation to Earth's available water

Score Point 4 (4/4 aspects met)

- Part A**
 - Includes an accurate indication of the percent distribution for each fresh surface water source and labels each fresh surface water source.
- Part B**
 - Includes a description of the relative proportions between sources of water on Earth (i.e., "... 0.3% of freshwater is on the surface while 97.7% of freshwater is other freshwater").
 - Includes data from the figure that relates to corresponding water sources.
 - Includes a clear conclusion about the importance/rarity of freshwater springs in relation to Earth's available water.

Part A.
Write the percent AND type of surface water on each line of the Percent Distribution of Surface Water bar graph. Use the information from Table 3.

Part B.
Why could you argue that a freshwater spring is a rare and special resource? Use the data in Table 3 and the percent distribution of Earth's fresh surface water in your bar graph to support your answer. Be sure to include what you know about the distribution of all of Earth's water.

A freshwater spring is a rare and special resource because if you look at the bar graph 97% of water on earth is salt water and .3% of freshwater is on the surface 97.7% is other freshwater so the rarity of finding or getting water from a freshwater spring is very rare

CASCIA Grade 5 EOU Assessment 3 Task 2: Searching for Freshwater

Prompt 3 Parts A & B Score Point 3

Prompt 3 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 3 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 - Accurately indicates the percent distribution for each fresh surface water source and labels each fresh surface water source Part B - Description of the relative proportions between sources of water on Earth - Data relates to the corresponding water sources - Clear conclusion about the importance/rarity of freshwater springs in relation to Earth's available water

Score Point 3 (3/4 aspects met)

- **Part A**
 - Includes an accurate indication of the percent distribution for each fresh surface water source and labels each fresh surface water source.
- **Part B**
 - Includes a description of the relative proportions between sources of water on Earth (i.e., "... only 3% of all of Earth's water is freshwater. Of that, only 0.3% is fresh surface water.").
 - Includes data that relates to corresponding water sources.
 - Does **NOT** include a clear conclusion about the importance/rarity of freshwater springs in relation to Earth's available water (i.e., response only mentions source of information.).

Part A.
Write the percent **AND** type of surface water on each line of the Percent Distribution of Surface Water bar graph. Use the information from Table 3.

Part B.
Why could you argue that a freshwater spring is a rare and special resource? Use the data in Table 3 and the percent distribution of Earth's fresh surface water in your bar graph to support your answer. Be sure to include what you know about the distribution of all of Earth's water.

You could argue because only 3% of all of earth's water is freshwater. Of that 3% only 0.3% is fresh surface water. I got this info from table 3.

CASCIA Grade 5 EOU Assessment 3 Task 2: Searching for Freshwater

Prompt 3 Parts A & B Score Point 2

Prompt 3 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 3 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 - Accurately indicates the percent distribution for each fresh surface water source and labels each fresh surface water source Part B - Description of the relative proportions between sources of water on Earth - Data relates to the corresponding water sources - Clear conclusion about the importance/rarity of freshwater springs in relation to Earth's available water

Score Point 2 (2/4 aspects met)

- **Part A**
 - Includes an accurate indication of the percent distribution for each fresh surface water source and labels each fresh surface water source.
- **Part B**
 - Does **NOT** include a description of the relative proportions between sources of water on Earth.
 - Includes data that relates to corresponding water sources (i.e., "... only 0.3% of the earth is fresh surface water").
 - Does **NOT** include a clear conclusion about the importance/rarity of freshwater springs in relation to Earth's available water.

Part A.
Write the percent **AND** type of surface water on each line of the Percent Distribution of Surface Water bar graph. Use the information from **Table 3**.

Part B.
Why could you argue that a freshwater spring is a rare and special resource? Use the data in **Table 3** and the percent distribution of **Earth's fresh surface water** in your bar graph to support your answer. Be sure to include what you know about the distribution of all of Earth's water.

Because only 0.3% of the earth is fresh surface water

CASCIA Grade 5 EOU Assessment 3 Task 2: Searching for Freshwater

Prompt 3 Parts A & B Score Point 1

Prompt 3 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 3 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 - Accurately indicates the percent distribution for each fresh surface water source and labels each fresh surface water source Part B - Description of the relative proportions between sources of water on Earth - Data relates to the corresponding water sources - Clear conclusion about the importance/rarity of freshwater springs in relation to Earth's available water

Score Point 1 (1/4 aspects met)

- **Part A**
 - Includes an accurate indication of the percent distribution for each fresh surface water source.
- **Part B**
 - Does **NOT** include a description of the relative proportions between sources of water on Earth.
 - Does **NOT** include data that relates to corresponding water sources.
 - Does **NOT** include a clear conclusion about the importance/rarity of freshwater springs in relation to Earth's available water (i.e., only mentions that there are a few without comparing them to other water sources).

Part A.
Write the percent AND type of surface water on each line of the Percent Distribution of Surface Water bar graph. Use the information from Table 3.

Part B.
Why could you argue that a freshwater spring is a rare and special resource? Use the data in Table 3 and the percent distribution of Earth's fresh surface water in your bar graph to support your answer. Be sure to include what you know about the distribution of all of Earth's water.

There are only a few of the fresh water spring that's why there was no data collected and that makes them rare. It depends on the amount of rainfall that is stored under ground.

CASCIA Grade 5 EOU Assessment 3 Task 2: Searching for Freshwater

Prompt 3 Parts A & B Score Point 0

Prompt 3 Parts A & B Rubric

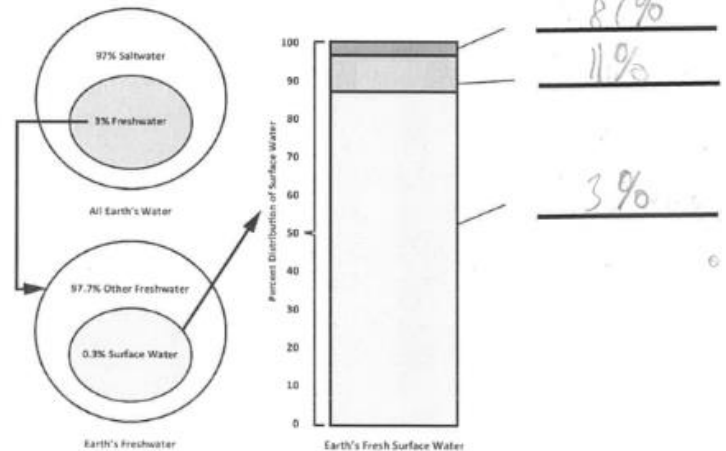
Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 3 Part A. & Part B.	No aspect of the response is correct	Response includes one (1) of the four (4) aspects	Response includes two (2) of the four (4) aspects	Response includes three (3) of the four (4) aspects	Response includes the following aspects: Part A - Accurately indicates the percent distribution for each fresh surface water source and labels each fresh surface water source Part B - Description of the relative proportions between sources of water on Earth - Data relates to the corresponding water sources - Clear conclusion about the importance/rarity of freshwater springs in relation to Earth's available water

Score Point 0 (0/4 aspects met)

- **Part A**
 - Does **NOT** include an accurate indication of the percent distribution for each fresh surface water source.
- **Part B**
 - Does **NOT** include a description of the relative proportions between sources of water on Earth.
 - Does **NOT** include data that relates to corresponding water sources.
 - Does **NOT** include a clear conclusion about the importance/rarity of freshwater springs in relation to Earth's available water.

Part A.

Write the percent **AND** type of surface water on each line of the Percent Distribution of Surface Water bar graph. Use the information from Table 3.



Part B.

Why could you argue that a freshwater spring is a rare and special resource? Use the data in Table 3 and the percent distribution of Earth's fresh surface water in your bar graph to support your answer. Be sure to include what you know about the distribution of all of Earth's water.

There is a big number difference in the numbers and that big one is saltwater.