

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

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

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

May 2025

Grade 5 Unit 3: Earth Systems and the Solution of Water Problems, Task 1 Prompt 2 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.

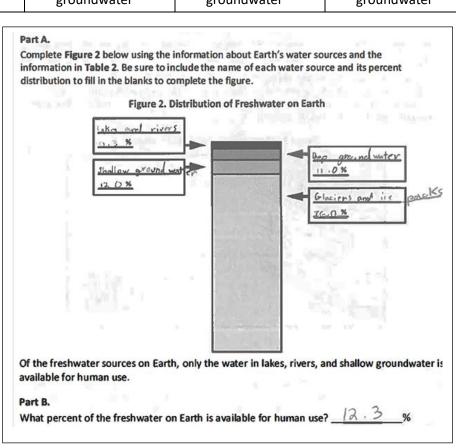
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Prompt 2 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A. & Part B.	No aspect of the response is correct	Response includes the following aspects: Part A	Response includes the following aspects: Part A	Response includes the following aspects: Part A:	Response includes the following aspects: Part A
		 Correctly labels at least one (1) water source or correctly indicates a percentage for at least one (1) water source 	 Correctly labels at least two (2) water sources Correctly indicates a percentage for at least two (2) water sources 	 Correctly labels at least two (2) water sources Correctly indicates a percentage for at least two (2) water sources 	 Correctly labels four (4) water sources Correctly indicates percentages for four (4) water sources
		OR	OR	AND	AND
		Part B	Part B	Part B	Part B
		 12.3% or states "lakes and rivers and shallow groundwater" 	 12.3% or states "lakes and rivers and shallow groundwater" 	• 12.3% or states "lakes and rivers and shallow groundwater"	• 12.3% or states "lakes and rivers and shallow groundwater"

Score Point 4 (3/3 aspects met)

- Part A
 - Correctly labels four (4) water sources.
 - Correctly indicates percentages for four (4) water sources.
- Part B
 - o Includes 12.3%.



Prompt 2 Parts A & B Rubric

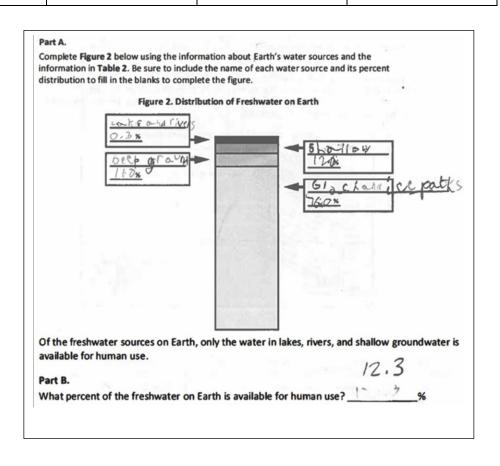
Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A. & Part B.	No aspect of the response is correct	Response includes the following aspects: Part A	Response includes the following aspects: Part A	Response includes the following aspects: Part A:	Response includes the following aspects: Part A
		Correctly labels at least one (1) water source or correctly indicates a percentage for at least one (1) water source	 Correctly labels at least two (2) water sources Correctly indicates a percentage for at least two (2) water sources 	 Correctly labels at least two (2) water sources Correctly indicates a percentage for at least two (2) water sources 	 Correctly labels four (4) water sources Correctly indicates percentages for four (4) water sources
	OR	OR	AND	AND	
		Part B12.3% or states"lakes and rivers and shallow groundwater"	 Part B 12.3% or states "lakes and rivers and shallow groundwater" 	 Part B 12.3% or states "lakes and rivers and shallow groundwater" 	 Part B 12.3% or states "lakes and rivers and shallow groundwater"

Score Point 3 (3/3 aspects met)

- Part A
 - Correctly labels at least two (2) water sources.
 - Correctly indicates
 percentages for at least
 two (2) water sources.

NOTE: Student response transposes the labels and percents for shallow and deep groundwater in Figure 2.

- Part B
 - o Includes 12.3%.



Prompt 2 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A. & Part B.	No aspect of the response is correct	Response includes the following aspects: Part A	Response includes the following aspects: Part A	Response includes the following aspects: Part A:	Response includes the following aspects: Part A
		Correctly labels at least one (1) water source or correctly indicates a percentage for at least one (1) water source	 Correctly labels at least two (2) water sources Correctly indicates a percentage for at least two (2) water sources 	 Correctly labels at least two (2) water sources Correctly indicates a percentage for at least two (2) water sources 	 Correctly labels four (4) water sources Correctly indicates percentages for four (4) water sources
	OR	OR	AND	AND	
		Part B12.3% or states"lakes and rivers and shallow groundwater"	 Part B 12.3% or states "lakes and rivers and shallow groundwater" 	 Part B 12.3% or states "lakes and rivers and shallow groundwater" 	 Part B 12.3% or states "lakes and rivers and shallow groundwater"

available for human use.

Score Point 2 (2/3 aspects met)

- Part A
 - Correctly labels at least two (2) water sources.
 - Correctly indicates
 percentages for at least
 two (2) water sources.

NOTE: Student response includes all four correct labels and percents in Figure 2.

- Part B
 - o Does **NOT** include 12.3%.

Complete Figure 2 below using the information about Earth's water sources and the information in Table 2. Be sure to include the name of each water source and its percent distribution to fill in the blanks to complete the figure. Figure 2. Distribution of Freshwater on Earth Shillia W Shillia W Glazers Of the freshwater sources on Earth, only the water in lakes, rivers, and shallow groundwater is

What percent of the freshwater on Earth is available for human use? _

Prompt 2 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A. & Part B.	No aspect of the response is correct	Response includes the following aspects: Part A	Response includes the following aspects: Part A	Response includes the following aspects: Part A:	Response includes the following aspects: Part A
		 Correctly labels at least one (1) water source or correctly indicates a percentage for at least one (1) water source 	 Correctly labels at least two (2) water sources Correctly indicates a percentage for at least two (2) water sources 	 Correctly labels at least two (2) water sources Correctly indicates a percentage for at least two (2) water sources 	 Correctly labels four (4) water sources Correctly indicates percentages for four (4) water sources
	OR Part B	OR	AND	AND	
		Part B	Part B	Part B	
		 12.3% or states "lakes and rivers and shallow groundwater" 	 12.3% or states "lakes and rivers and shallow groundwater" 	• 12.3% or states "lakes and rivers and shallow groundwater"	• 12.3% or states "lakes and rivers and shallow groundwater"

Score Point 1 (1/3 aspects met)

- Part A
 - Does **NOT** correctly label water sources.
 - Correctly indicates a percentage for at least one (1) water source.

NOTE: Student response only includes three correct percents in Figure 2.

- Part B
 - Does **NOT** include the correct percentage of 12.3% of freshwater on Earth.

Part A.

Complete **Figure 2** below using the information about Earth's water sources and the information in **Table 2**. Be sure to include the name of each water source and its percent distribution to fill in the blanks to complete the figure.

Of the freshwater sources on Earth, only the water in lakes, rivers, and shallow groundwater is available for human use.

Part B.

Prompt 2 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
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		Correctly labels at least one (1) water source or correctly indicates a percentage for at least one (1) water source	 Correctly labels at least two (2) water sources Correctly indicates a percentage for at least two (2) water sources 	 Correctly labels at least two (2) water sources Correctly indicates a percentage for at least two (2) water sources 	 Correctly labels four (4) water sources Correctly indicates percentages for four (4) water sources
	OR	OR	AND	AND	
		Part B12.3% or states"lakes and rivers and shallow groundwater"	 Part B 12.3% or states "lakes and rivers and shallow groundwater" 	 Part B 12.3% or states "lakes and rivers and shallow groundwater" 	 Part B 12.3% or states "lakes and rivers and shallow groundwater"

Score Point 0 (0/3 aspects met)

- Part A
 - Does **NOT** correctly label at least one (1) water source.
 - Does **NOT** correctly indicate a percentage for at least one (1) water source.
- Part B
 - Does **NOT** include the correct percentage of freshwater on Earth.

