



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 1 Part E Scored and Annotated Anchor Set

May 2025

Grade 5 Unit 3: Earth Systems and the Solution of Water Problems, Task 1 Prompt 1 Part E 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 1: Every Drop Counts

Prompt 1 Part E Score Point 3

Prompt 1 Part E Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part E.	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: - Refers to Figure 1 by comparing water usage to another part of the pie chart OR indicates that leaking represents 5% of all water usage - Indicates that the standard toilet uses a lot more water than the low-flow toilet using information from Table 1 - Indicates that saving water is important in support of the argument	NA

Score Point 3 (3/3 aspects met)

- Part E
 - Indicates that leaking represents 5% of all water usage (i.e., "Everyday, 5% of your household water is leaking!").
 - Indicates that standard toilets use more water than low-flow toilets (i.e., "... wasting 6 gallons of water, you'll only be using 1.5 gallons of water!").
 - Indicates that saving water is important in support of the argument (i.e., "... don't waste valuable water.").

E. Write an argument to convince the homeowners to replace their leaking standard toilet to conserve the water in the aquifer. Use information from Figure 1 and Table 1.

Homeowners should replace their toilets so they don't waste valuable water. Instead of wasting 6 gallons of water, you'll only be using 1.5 gallons of water! There's only so much water we can use in the world, let's not waste, let's save it! Every day, 5 percent of your household water is leaking! Buy a Low-flow toilet now!

CASCIA Grade 5 EOU Assessment 3 Task 1: Every Drop Counts

Prompt 1 Part E Score Point 2

Prompt 1 Part E Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part E.	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: - Refers to Figure 1 by comparing water usage to another part of the pie chart OR indicates that leaking represents 5% of all water usage - Indicates that the standard toilet uses a lot more water than the low-flow toilet using information from Table 1 - Indicates that saving water is important in support of the argument	NA

Score Point 2 (2/3 aspects met)

- Part E
 - Does **NOT** refer to Figure 1 or that leaking represents 5% of all water usage.
 - Indicates that standard toilets use more water than low-flow toilets (i.e., "... that's 10 times more than a low flow toilet's flush!").
 - Indicates that saving water is important in support of the argument (i.e., "When it leaks it wastes 15 gallons of water!").

E. Write an argument to convince the homeowners to replace their leaking standard toilets to conserve the water in the aquifer. Use information from Figure 1 and Table 1.

You should replace your toilet and fast! Why you may ask? It's leaking! When it leaks, it wastes 15 gallons of water! That's 10 times more than a low flow toilet's gallon per flush. Please replace it!

CASCIA Grade 5 EOU Assessment 3 Task 1: Every Drop Counts

Prompt 1 Part E Score Point 1

Prompt 1 Part E Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part E.	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: - Refers to Figure 1 by comparing water usage to another part of the pie chart OR indicates that leaking represents 5% of all water usage - Indicates that the standard toilet uses a lot more water than the low-flow toilet using information from Table 1 - Indicates that saving water is important in support of the argument	NA

Score Point 1 (1/3 aspects met)

- Part E
 - Does **NOT** refer to Figure 1 or that leaking represents 5% of all water usage.
 - Does **NOT** indicate that standard toilets use more water than low-flow toilets.
 - Indicates that saving water is important in support of the argument (i.e., the student response includes that “you lose water and that's bad for the environment”).

E. Write an argument to convince the homeowners to replace their leaking standard toilets to conserve the water in the aquifer. Use information from **Figure 1** and **Table 1**.

If you use water
to much you lose water
and that's bad for the
environment so don't use too
much water.

CASCIA Grade 5 EOU Assessment 3 Task 1: Every Drop Counts

Prompt 1 Part E Score Point 0

Prompt 1 Part E Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part E.	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: - Refers to Figure 1 by comparing water usage to another part of the pie chart OR indicates that leaking represents 5% of all water usage - Indicates that the standard toilet uses a lot more water than the low-flow toilet using information from Table 1 - Indicates that saving water is important in support of the argument	NA

Score Point 0 (0/3 aspects met)

- Part E
 - Does **NOT** refer to Figure 1 or that leaking represents 5% of all water usage.
 - Does **NOT** indicate that standard toilets use more water than low-flow toilets.
 - Does **NOT** indicate that saving water is important in support of the argument.

E. Write an argument to convince the homeowners to replace their leaking standard toilets to conserve the water in the aquifer. Use information from **Figure 1** and **Table 1**.

So that they don't use so much water and so it's not in every house hold