



KIDS for the BAY

A Project of Earth Island Institute

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Everyone is an Environmentalist!

Water Conservation Log

Activity Summary

Discover how much freshwater you use in one day. Get creative about how to conserve, or save, water!

Directions

Full activity directions

1. Think about the following questions:
 - a. Why is water important?
 - b. What are the different types of water?
 - c. What type of water, and how much of it, do you use every day?
2. Watch the videos below to learn more about the importance of fresh water on Earth.
3. Brainstorm ways you can reduce, or use less, water everyday. Write four pledges to reduce water on the attached Water Conservation Log.
4. Choose one day to complete the Water Conservation Log; predict how much water you will use in one day, record data on your water usage, and calculate your results.
5. After your experiment, reflect and answer the questions on the back.
6. Further explorations:
 - a. Encourage everyone in your household to complete the Water Conservation Log! Write pledges to conserve water as a household.



Location

Inside your home!

Supplies

- Water Conservation Log (see attached worksheet)
- Pencil

Additional resources and related activities

- <https://www.youtube.com/watch?v=oaQCiwzjnCM>
- <https://spaceplace.nasa.gov/water/en/>
- Look for the All the Water in the World and the Estuary in a Bag activities on our website too!

Share your experience with us!

Email kidsforthebay@gmail.com to share photos, videos, comments or questions.

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Water Usage Log

Name: _____ Date: _____

1. **Choose a day.** Choose one full day (from when you wake up until you go to bed) to complete your water log.
Write the date here: _____
2. **Make a prediction.** I predict that I will use _____ gallons of water in one day.
3. **Record your data** in the table below.
4. **Calculate your results.** Multiply the number in column **B** with the number you wrote in column **D**. Write the answer in column **E**. Add all the numbers in column **E** to get your total gallons for the day. Record this number at the bottom of the worksheet.



A Water-Using Action	B # of gallons of water used	D # of times	E # total number of gallons used
<i>Example: flushed toilet</i>	1.5	(3)	$1.5 \times 3 = 4.5$
flushed toilet	1.5		
washed hands (with water running)	1		
washed hands (with water off)	.25		
washed face (with water running)	1		
washed face (with water off)	.25		
brushed teeth (with water running)	4		
brushed teeth (with water off)	.25		
took a shower (5 minutes or less)	10		
took a shower (5-20 minutes)	40		
took a bath	36		

Total gallons of water used in one day: _____

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Water Usage Log

Conserving Water

1. What did you learn from recording how much water you use in one day? (Things to consider: How did your predictions match up with your results? Did anything surprise you?)

2. Why is it important to conserve (or save) our fresh water? (Things to consider: How much accessible fresh water is there on Earth? Where does the fresh water I use come from? Do any other living things depend on that same fresh water?)

3. Review the “Water-Using Actions” list. Think about some small changes you could make to the way you do each of those things to conserve water at home or at school. Choose three “Water-Using Actions” or think of your own idea and come up with one “Water-Conserving Action” for each. Write them in the table below.

Water-Using Action	Water-Conserving Action Pledge
<i>Example: brushing my teeth</i>	<i>Example: I pledge to turn off the water while I'm brushing my teeth.</i>

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Water Usage Log

Nombre: _____ Fecha: _____

5. **Escoge un día.** Escoge un día entero (desde que te levantas hasta que te acuestas a dormir) para completar tu registro. Escribe la fecha aquí: _____
6. **Haz una predicción.** Mi predicción es que voy a usar _____ galones de agua en 1 día.
7. **Registra tus datos** en la siguiente tabla.
8. **Calcula tus resultados.** Multiplíca el número en la columna **B** por el número que escribiste en la columna **D**. Escribe la respuesta en la columna **E**. Suma todos los números en la columna **E** para obtener los resultados del día entero. Escribe este número en la parte de abajo de la hoja.



A Ejemplo de uso de agua	B # de galones que se usan	D # de veces	E # de galones usados en total
<i>Por ejemplo: echarle agua a baño</i>	1.5	(3)	$1.5 \times 3 = 4.5$
Echarle agua al baño	1.5		
Lavar las manos (con el grifo abierto constantemente)	1		
Lavar las manos (con el grifo cerrado)	.25		
Lavar la cara (con el grifo abierto constantemente)	1		
Lavar la cara (con el grifo cerrado)	.25		
Lavar los dientes (con el grifo abierto constantemente)	4		
Lavar los dientes (con el grifo cerrado)	.25		
Bañarme en la regadera (5 minutos o menos)	10		
Bañarme en la regadera (5-20 minutos)	40		
Bañarme en la tina	36		

Número total de galones usados en un día: _____

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Water Usage Log

Conservar el agua

1. ¿Qué has aprendido sobre cuánta agua usas en un día? (considera la diferencia entre tu predicción y tus resultados. ¿Qué te sorprendió?)

2. ¿Porqué es importante conservar (o ahorrar) el agua? (Datos para considerar: ¿Cuánta agua dulce accesible hay en el planeta tierra? ¿De dónde viene en agua dulce que consumimos? ¿Hay otros seres vivientes que dependen de esta misma agua?)

3. Repasa la lista con ejemplos de uso de agua. Piensa en algunos cambios pequeños que podrías hacer para conservar agua en la escuela y en casa. Escoge 3 ejemplos de la lista (o una idea propia) y piensa en una acción para cada uno. Escríbelos en la tabla siguiente.

Ejemplo de uso de agua	Promesa para conservar agua
<i>Ejemplo: cepillar mis dientes</i>	<i>Ejemplo: Yo prometo apagar el grifo mientras lavo mis dientes</i>

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