

Water Web Workout 1 | Hidden Water Use

WEBSITE

<http://environment.nationalgeographic.com/environment/freshwater/embedded-water/#close-modal>

OBJECTIVE

Investigate water and the amount required to produce and create many of the things in our daily lives.

ASSIGNMENT

The amount of water we use is sometimes easy to see. We can quickly measure how much water we drink in a day or how much we use when cooking meals. However, at times it's not as obvious. Visit the link above to answer the following questions.

QUESTION

When you arrive at this website, you may be asked to join the National Geographic community. If you do not want to do this, just click on *already registered* in the upper right hand corner. View the product images under the headline *How Much H₂O is Embedded in Everyday Life*, and determine the following:

1. How much water does it take to make 1 pound of cheese?
600 gallons
2. How much water does it take to make a ½ pound of cheese?
300 gallons
3. How much water is used to produce 1 T-Shirt?
713 gallons
4. How much water is used to produce 6 T-Shirts?
4,278 gallons

5. How much water is needed to make 500 sheets of paper?
1,321 gallons
6. How much water is needed to make 775 sheets of paper?
1,981.5 gallons

Now that you know your way around the website, let's click on *Compare Products*.

1. How much water is used to make a Quarter Pound Hamburger?
449.75 gallons
2. Does it take more or less water to produce a Quarter Pound of Chicken? How much more or less?
Less water. 117 gallons less.

BONUS QUESTION

How much water does a Wind Turbine use?
0 gallons

Parents: The link for this activity serves to enhance the information located in the *Student Workbook*. The website chosen for this assignment provides realistic, current information, while contributing to your student's knowledge and understanding about the topic.