

Student Page

Name _____ Period _____

How Much Water Do You Use?

Directions: Utah is the second driest state in the country. We live in a desert with a state average of about 13 inches of precipitation per year. Our government has a program educating the public about water conservation because of the lack of water here. By accessing the website <http://conservewater.utah.gov>, you will learn about water usage and the importance of conservation.

1) Click on the Indoor Water Use link on the left hand side of this webpage. In the space provided below, draw the pie chart showing percentages of water use throughout the house. Make sure it is labeled and colored for neatness!

2) What surprised you the most about indoor water usage when looking at the pie chart you created? _____

3) Click on the bathroom picture on the same page with the pie chart. Which appliance in the bathroom uses the most water and what percentage of the total indoor use is it? _____

4) How much water goes down the drain every minute while leaving the faucet running? _____

5) If you leave the faucet running while brushing your teeth and you brush your teeth for two minutes like your dentist tells you to, how much water will likely be wasted down the drain? _____

6) Go back to the Indoor Water Use page. Click on the picture of the faucet. How much water is estimated to be lost per person per day because of leaks in the house? _____

7) What are the steps to detecting a leak? _____

8) Next click on the Savings Calculator link on the left side of the page. Fill in the table using your family's information. Ask your parents if you need to know the age of your house. Click on the calculate button and answer the following questions below.

Total Use Per Day _____

Total Use Per Month _____

Total Use Per Year _____

What would your total savings per day be if you completed all the potential savings tasks listed for your house? Per month? Per Year?

9) Did you have any idea that your family uses so much water in a day? What is the most surprising thing that you learned about Indoor Water Use?

10) Click on the Conservation Page link on the left hand side of the page. Next, you should click on the Outdoor Water Use link. Click on the picture of the lawn. Click on the Watering Your Lawn link near the top of the page. What is evapotranspiration and what is the formula for it?

11) Now click on the Monthly Lawn Watering Guide. Which month(s) does your lawn need the most watering and how often should you water during those months? (Keep in mind that you live in North-Central Utah)

12) Why do you think it is not recommended to water your lawn during the months of October, November, March and April in North-Central Utah but it is recommended in Southwest Utah?

13) Ask your parents how often they water their lawns during the months that need the most watering (summer months). How does it compare with the recommended amount on this webpage?

14) Click the back button on your browser to go back to the Lawn page. Go to where it talks about General Lawn Maintenance. According to the webpage, what are most lawn problems a direct result of?

15) Why is it a bad idea to water your lawn in the middle of the day?

16) Go back to the Outdoor Water Use page. You should click on the Water-Wise Landscaping Link. (The picture of the red flowers) Read over this page. What do you think it means to use Water-Wise Landscaping?

17) According to this page, what are the seven principles involved in Water-Wise Landscaping?

18) What does it mean to use appropriate plants when implementing Water-Wise Landscaping?

19) Why do you think the state of Utah has built a website like this educating the public on water conservation? Do you think it is important? _____

20) Make a list of at least ten different things that you and your family can do to conserve more water in your household.

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21) Do you think it is important to conserve water? Why or why not?
