

Student Activity Sheet

Name _____

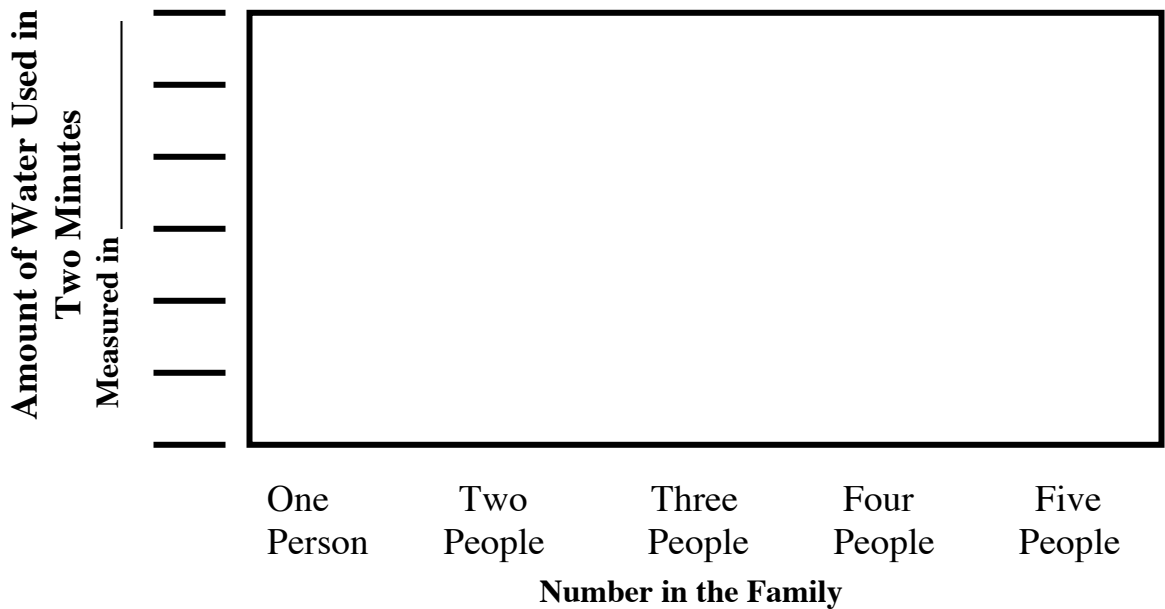
List three ways to conserve or save water.

Prediction: I think _____

Experiment Results: In two minutes _____

Complete the graph.

Water Used While Brushing Teeth



Student Activity Sheet

Complete the sentences using information from the graph you made.

If only one person is letting the water run while brushing teeth, then _____
_____.

If two people brush their teeth and let the water run _____
_____.

If a family of four are brushing their teeth and let the water run then _____
_____.

I think that if there was a family of six people and they were letting the water run while brushing their teeth _____
_____.

Remember to make sure your answers include the amount of water that is wasted if the water is running. Make certain that you listed how this measured (cups, quarts, gallons, etc.).

Extra Credit: **Draw one way you can save water at home.**

Student Activity Sheet **Answer Key**

List three ways to conserve or save water. (Answers will vary. Examples are provided.)

sweeping walk instead of washing with hose,

turn off faucet while brushing teeth

shower heads that regulate flow of water, etc...

Prediction: I think allow for various answers

Experiment Results: In two minutes answer should correspond to the experiment

Complete the graph.

Water Used While Brushing Teeth



Answers shown are based on 2 cups lost per two minutes.

Student Activity Answer Key

Complete the sentences using information from the graph you made.

If only one person is letting the water run while brushing their teeth, then _____
there are 2 cups of water lost.

If two people brush their teeth and let the water run _____
then there are 4 cups of water wasted.

If a family of four are brushing their teeth and let the water run then _____
they are wasting 8 cups of water.

I think that if there was a family of six people and they were letting the water run while brushing teeth _____
that they would be using 12 cups of water.

Remember to make sure your answers include the amount of water that is wasted if the water is running. Make certain that you listed how this was measured (cups, quarts, gallons, etc.).

Extra Credit: **Draw one way you will save water at home.**

Accept any drawing that indicates saving water.

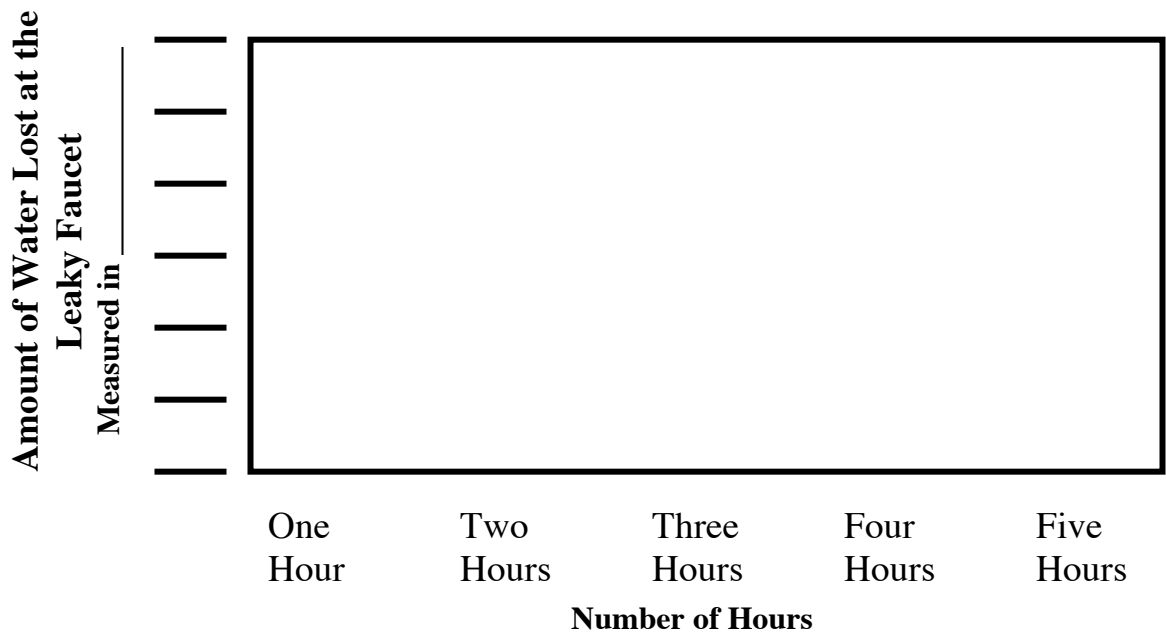
Student Assessment

Name _____

1. Arizona has a shortage of water. List three ways people in Arizona can conserve or save water.

2. Complete the graph below using the information from the dripping faucet experiment.

Water Lost in Leaky Faucet



Student Assessment

3. Complete the sentences using information from the graph you made.

In one hour a leaky faucet loses _____ water. In two hours a leaky faucet loses _____ water. In four hours a _____ water. I think that in six hours _____ water will be wasted.

Remember to make sure your answers include the amount of water that is wasted if the water is running. Make certain that you listed how this was measured (cups, quarts, gallons, etc.).

4. How much water will be lost in one 24-hour day from the leaky faucet shown in the graph? What steps did you use to find this answer?

Student Assessment Answer Key

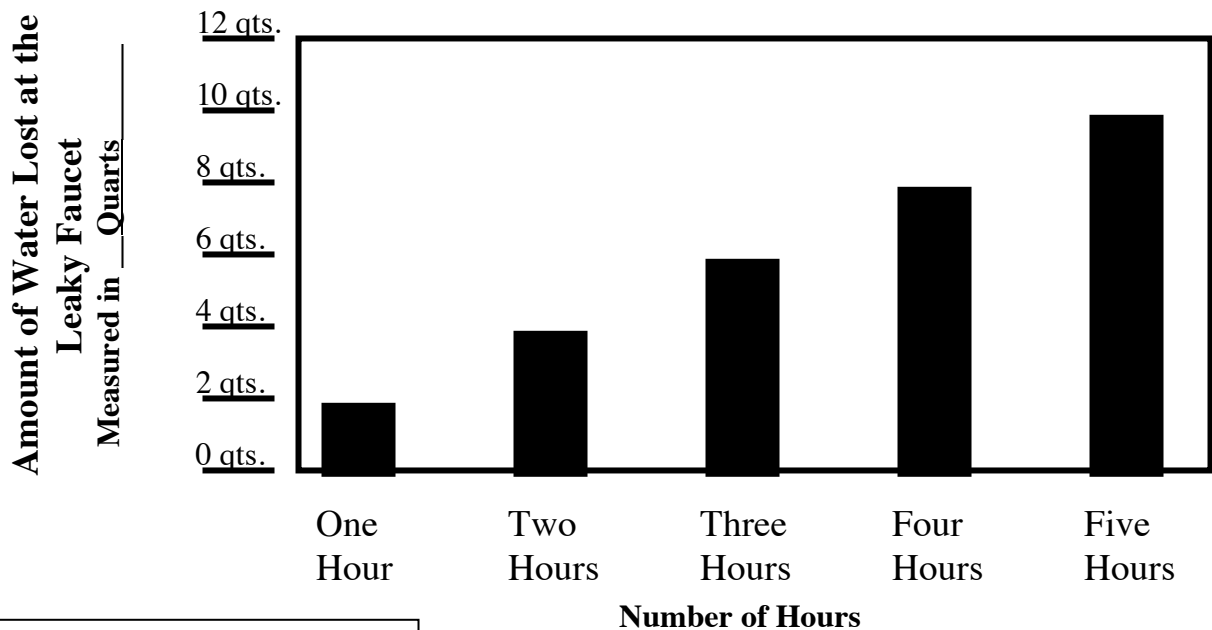
1. Arizona has a shortage of water. List three ways people in Arizona can conserve or save water.

run dishwasher only when full, water lawn only in evenings, fix leaky faucets.

Accept other logical answers

2. Complete the graph below using the information from the dripping faucet experiment.

Water Lost in Leaky Faucet



Answers should match the data gathered from the leaky faucet experiment. The ones shown are based on 2 quarts lost in one hour.

Student Assessment Answer Key

3. Complete the sentences using information from the graph you made.

In one hour a leaky faucet loses 2 quarts of water. In two hours a leaky faucet loses 4 qts or 1 gallon of water. In four hours a leaky faucet loses two gallons of water. I think that in six hours three gallons of water will be wasted.

Remember to make sure your answers include the amount of water that is wasted if the water is running. Make certain that you listed how this was measured (cups, quarts, gallons, etc.).

4. How much water will be lost in one 24-hour day from the leaky faucet shown in the graph? What steps did you use to find this answer?

Accept correct answers that include a strategy of how the problem was solved

For example, using the data in the graph above, the leaky faucet would be wasting 12 gallons of water in one day's time. I counted by 2s for 24 times because one hour was 2qts and there are 24 hours in one day. I got 48 qts. Then I drew Xs for each quart. I circled sets of four to find out how many gallons of wasted water because there are four quarts in one gallon. That's how I figured out my answer.