

EDUCATION

Elementary School

Water Conservation Worksheets



Conserve Water, Preserve Life

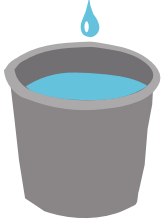
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WATER CONSERVATION WORKSHEET

Level 1 Reading

Class _____ Name _____



water



bath



toilet



sink



laundry

Pick another water word and write it here, then draw a picture of it on the back of this page.



WATER CONSERVATION WORKSHEET

Level 1 Reading

Teachers Guide

Students figure out the words based on the picture and then the class discusses the words and how you can save water at home.

Students then practice writing the words.

(Sample words: shower, hose, dishwasher)



Conserve Water, Preserve Life

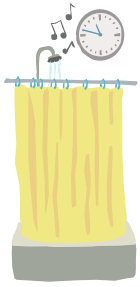
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WATER CONSERVATION WORKSHEET

Level 2 Reading

Class _____



Hi! My name is _____ .
Here are some ways that I save water:

I take fast showers.

I turn off water when I brush my teeth.



I only put my clothes in the laundry when they're dirty.



draw yourself

Practice Words: copy these on a separate sheet of paper

| | | | |
|---------|-------|--------|---------|
| save | water | shower | laundry |
| clothes | tap | brush | teeth |

Exercise:

Write one sentence about how you save water, then draw a picture in the box to illustrate your sentence.

WATER CONSERVATION WORKSHEET

Level 2 Reading

Teachers Guide

- **Part 1:** Read out loud using pictures to help sound out new words.
- **Dart 2:** Before moving on, have a discussion with students about other ways that you can save water at home.
- **Dart 3:** Write one sentence about how you save water, then draw a picture in the box to illustrate your sentence.

Exercise: Student share sentences in class or take them home share with their family.



WATER CONSERVATION WORKSHEET

Level 3 Reading

Teachers Guide

Directions: Students write the sentences that they think are correct, then the teacher reveals the correct answers and leads discussion about saving water.

- **Example: FACT**—hand washing can use 5 times as much water as a dishwasher.
1. Letting the water run takes more water.
FACT—you can save up to 20 gallons a day by turning off the tap while you brush your teeth.
 2. Overwatering the lawn uses more.
FACT—the average American home will use about 100 gallons of water per day watering the lawn.
 3. Drinking bottled water takes a lot of water.
FACT—it takes about 1.5 gallons of water to make a single plastic bottle of water.
 4. A hamburger takes more water.
FACT—a quarter pound hamburger takes about 375 gallons of water to make.

Discussion: Class can discuss, write sentences, share stories, etc.



WATER CONSERVATION WORKSHEET

Level 1 Math

Subtraction Word Problems

1. When Bob washes the dishes by hand, he uses **9 gallons** of water, but he uses the dishwasher he would only uses **5 gallons**. How much water does he save when he uses the dishwasher?



2. When Tina brushes her teeth, she leaves the water running and uses **4 gallons** of water. If she turns off the water while she brushes, she only uses **1 gallon** of water. How many gallons can she save by turning off the tap?



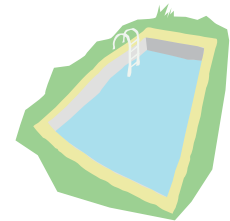
3. When Chris flushes the toilet, **5 gallons** of water go down the drain, but if he puts a jug of water in the toilet tank, each flush only uses **4 gallons**. How many gallons of water does he save by putting a jug in his toilet tank?



4. The Murray family uses **90 gallons** of water to do three loads of laundry each week. If they only do two loads of laundry, they use just **60 gallons** of water. How much water do they save by doing just two loads a week?



5. Pete's pool loses about **30 gallons** of water per day when he leaves it uncovered in the summertime, but when he covers it, it only loses about **4 gallons** per day. How much water does Pete save each day when he covers his pool?



6. When Jim takes a bath, he fills it up all the way and uses **70 gallons** of water. If he only fills it up half-way, he uses just **35 gallons** of water. How much water does he save if he only fills the bath half way?



Discussion

How can we all save water at home? What can we do to save more water at school?



WATER CONSERVATION WORKSHEET

Level 1 Math

Teachers Guide

Subtraction Word Problems

1. $9-5=4$

2. $4-1=3$

3. $5-4=1$

4. $90-60=30$

5. $30-4=26$

6. $70-35=35$

Discussion

- use a dishwasher
- turn off the water while brushing your teeth
- put a jug of water in the toilet tank
- do less laundry
- keep the pool covered
- keep the water level low in the bathtub
- turn off the water when it is not being used
- don't use the toilet as a garbage can



WATER CONSERVATION WORKSHEET

Level 2 Math

Multiplication Word Problems

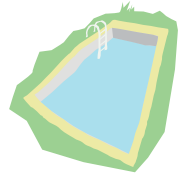
1. Tina leaves the water running while she brushes her teeth, and it takes her about **2 minutes** to do her brushing. If her bathroom sink puts out **3 gallons** of water per minute, how much water does she use each time she brushes her teeth?



2. Chris flushes the toilet **5 times a day**. Each time he flushes, the toilet uses about **4 gallons** of water. How much water does he flush down the drain each day?



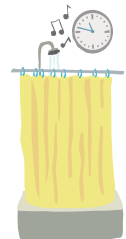
3. On hot days, the Johnson's pool can lose about **2 gallons an hour** to evaporation. How many gallons will evaporate after **6 hours**?



4. When Pete washes the dishes, he uses about **4 gallons of water per minute**. How many gallons does he use if it takes him **8 minutes** to do the dishes?



5. Amanda likes to take long showers, and usually spends about **10 minutes** in there every morning. Her shower puts out **3 gallons per minute**. How many gallons of water does she use in the shower?



Discussion

How can the people in these questions save more water? Discuss some ways that you and your family try to save water at home.

WATER CONSERVATION WORKSHEET

Level 2 Math

Teachers Guide

Multiplication Word Problems

1. $3 \times 2 = 6$

2. $4 \times 5 = 20$

3. $2 \times 6 = 12$

4. $4 \times 8 = 32$

5. $3 \times 10 = 30$

Discussion

- turn off the water while brushing your teeth
- don't flush as often (let it mellow)
- use a pool cover
- turn off the water while washing dishes
- take shorter showers

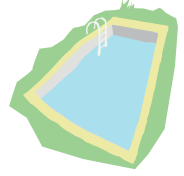


WATER CONSERVATION WORKSHEET

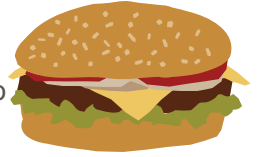
Level 3 Math

Word Problems

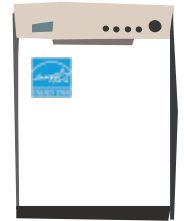
1. The water in the Jenkins family's pool evaporates at a rate of **1,000 gallons per month** when it is uncovered, but it doesn't evaporate at all when it is covered. If the family keeps the pool covered for an average of **7 months a year**, how many gallons evaporate each year?



2. It takes about **1,500 gallons** of water to produce a pound of hamburger meat. If Jane eats a **quarter-pounder every day**, how many gallons of water are used to make her burger patties over the course of **one week**?



3. Timothy is buying a new dishwasher. He could buy a normal model that uses about **6 gallons per load**, or a water-saving model that uses only **4 gallons per load**. If he does **one load** of dishes **every other day**, how much water would he save with the water-saving model after **one month** (30 days)?



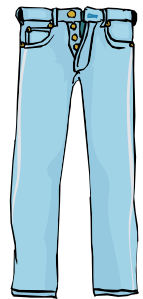
4. Gwen buys **one bottle of water every day** and each bottle uses **one ounce of plastic**. It takes about **24 gallons of water to produce one pound of plastic**. How many gallons of water are used to make Gwen's water bottles in **one year**? (There are 16 ounces in a pound.)



5. The Merina family's lawn is **125 by 60 feet** and they water it **twice a week** with **1/2 an inch of water**. If it takes **660 gallons to water 1,000 square feet with one inch of water**, how much water do the Merinas use on their lawn in **one year**?



6. Meg buys **one new cotton shirt** and **one pair of jeans** about **every 4 months**. Each pair of jeans she buys weighs about **2.5 pounds**, and each shirt weighs about **one pound**. It takes **101 gallons of water to produce a single pound of cotton**. How much water has been used to produce her jeans over the past **3 years**?



WATER CONSERVATION WORKSHEET

Level 3 Math

Teachers Guide

Word Problems

- $(12-7) \times 1000 = 5,000$
5,000 gallons
- $(1500/4) \times 7 = 2,625$
2,625 gallons
- $6 \times 15 = 90$
 $4 \times 15 = 60$
 $90 - 60 = 30$
or $(30/2) \times (6-4) = 30$
30 gallons
- $1 \times 24 \times 365 / 16 = 547.5$
(bottle) \times (water) \times (year) / (ounces to pound)
547.5 gallons
- $125 \times 60 = 7,500$ (square feet)
 $(660/2) \times (7,500/1000) \times 52 \times 2 = 257,400$
(water/2) \times (area/1000) \times (52 weeks/year) \times (2x/week)
257,400 gallons
- $(2.5+1) \times 3 \times 3 = 31.5$ ((jean+shirt) \times 3 times/year \times 3 year)
 $31.5 \times 101 = 3,181.5$ (total cotton) \times (water)
3,181.5 gallons

