

Fix a Leak Week: Student Worksheet

Name:			
ivaille		 - 201 - 202	

Save Water & Money

According to the Environmental Protection Agency (EPA) WaterSense partnership program, "an American home can waste on average, more than 10,000 gallons of water every year due to running toilets, dripping faucets, and other household leaks." That can cost your family a lot of money. That is why Waukesha Water Utility encourages you to use water wisely and check your home for leaks, during this year's national Fix a Leak Week. Try the activities and math problems on both sides of this sheet to see how fast water waste adds up.

Little Leaks Waste Big Amounts of Water

SIZE OF LEAK (Diameter)		WATER WASTED EACH QUARTER (Assuming 60 lbs of pressure)		
٠	1/32" drip	18,500	gallons	
•	1/16" trickle	74,000	gallons	
	1/8" stream	296,000	gallons	
	1/4" stream	1,181,500	gallons	

Toilet Leaks:

Toilet leaks are one of the most common leaks. Toilet leaks tend to be invisible. <u>Hundreds of gallons</u> of water <u>a day</u> can be wasted on toilet leaks. The sound of water running in a toilet tank signals costly leakage. For this reason, it is recommended that toilets be checked for leaks at least twice each year.

Activity #1: Test All Your Toilets for Leaks, with the help of your parent.

Checking a toilet for leaks is easy!

Take lid off the back of the toilet tank.

Put ONE of the attached leak detection tablets into the tank of the toilet.

Do NOT flush the toilet.

Wait for 20 minutes.

If you have another toilet, test that toilet for leaks too by repeating the directions above. If colored water from the dye tab appears in the bowl within 20 minutes, you have a leak.

Make sure to flush the colored water as soon as the 20 minutes is up, otherwise the coloring may stain.

(Please continue on to page $2 \rightarrow$)

				low Many Gallons of		
1.	How many toil	ets do you	have?	Did you test all your	toilets for le	eaks?
2.	Does your toilet leak? (Did the dye color appear in the bowl?)					 Toilet #2
3.	How old is you underside of the					
	into the porcelair	1.)			Year	Year
4.	What is the siz may be found in			e toilet? (this information ink lid.)	ı	
	Toilet #1		<u> </u>		_	
		Size	Make	Model		
	Toilet #2	Size	Make	Model	-	
5.	1000 E-1000			tank, measure the wa		
	Toilet #1	ank Length	Tank Width	Side Water Depth		
	Toilet #2	ank Length	Tank Width	Side Water Depth		
6.	Calculate how (Multiply Length			is in the tank.	cu. ft.	cu. f
7.				our toilet uses for = Gallons per Flush) et Rebate	gals. Toilet #1	gals
8.	Is your toilet a	pre-1994 t	oilet? (Look at y	our answer in #3)	Toilet #1	Toilet #2
9. Does your toilet use 3.5 gallons/flush or more? (Look at your answer in #7)					Tollet #1	Tollet #2
	Commence of the Commence of th				Toilet #1	Toilet #2
10.	Does your fan (Ask your parer		ater bill from V	Vaukesha Water Utility	/?	******
11.	eligible to get	up to \$100	per toilet for re	0, your family could be eplacing their old wate	r	
	guzzling toilet.	. Is your la	mily eligible?		Toilet #1	Toilet #2
12.	Have you told	l your parei	nts about this S	\$100 toilet rebate?		
pare		Waukesha W	ater Utility at (26	replaced with a WaterSer 62) 521-5272 or visit our v		
		Pa	rent Signature		3 	Date