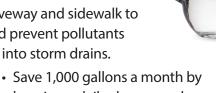


Only 1% of the water on our planet is suitable for human consumption.

The average U.S. citizen uses approximately 80 - 100 gallons of water every day. Here are a few simple actions that you can take to conserve water in your watershed:

- Donate your used blue jeans to Goodwill or a local thrift store.
- Keep a pitcher of water in the refrigerator instead of running the faucet to get cold water to drink.
- Use a broom instead of a hose to clean your driveway and sidewalk to save water and prevent pollutants from washing into storm drains.





- keeping a daily shower under 5 minutes.
- Pick up litter and pet waste so that it is not washed into nearby bodies of water.
- Check with your local Conservation
 District for other ideas you can use in your community.



Letter Tile Puzzle: It takes between 4,000-18,000 gallons of water to grow a

Oak Mountain at 100 meters, Tulip Ridge. Word Search: CONTOUR, DRAINS, METERS, SHAPE, STEEPEST, TOPOGRAPHY, VERTICAL, WATER, WATERSHED

Flowing in a Watershed message: The water you drink flows through your watershed. Do your part to protect it. Topographic map questions: 10 meters,

Answer Key

R P P P P P P P P P P P P P P P P P P P	WYLEWB XWE LZOLOBIHO LZOLOBIHO LZOLOBIHO LYOLOGIO KKENGEKO KKENGEK
	1- // / / -



Special thanks to the NACD S&E Committee and reviewers
Project Manager: stewardship@nacdnet.org
Content Writer: Teresa D. Southerland
Booklet designed by Willow Marketing, Indianapolis, IN
Additional education material available at:
http://www.nacdnet.org/general-resources/stewardship-program/
Booklet designed for use with Grades 4-5
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HO+Shed = Watershed

Water

Agua, acqua, woda, water... no matter where you live or how you say it, every molecule of water is made of two hydrogen atoms and one oxygen atom, and it is vital to our survival. In an emergency, humans can survive for a few weeks without food but only a few days without water.

Watershed

A watershed is an area of land from which precipitation drains into a body of water. Circle the forms of precipitation you have in your area.

sergency, humans can survive for a few weeks shout food but only a few days without water. Sleet Freezing Rain Drizzle Rain Hail



Since most of your drinking water flows over it or through it, the land in your watershed is very important. What is the soil like in your watershed? If you can, dig a small hole and take a look at your

Loose soil with a lot of sand and rock particles is porous. When precipitation falls on porous soil, it can soak into the soil and become groundwater. Groundwater is stored in aguifers made of sand, soil and gravel. There is air space between the soil particles that allows the water to move through the soil.

Tightly packed soil with a lot of clay isn't very porous. Clay soil usually holds water on the surface in lakes, ponds or puddles.

Follow the instructions below to cross words off in the diagram. When you are finished the remaining words will form a message reading from left to right and top to bottom.

Cross off these words:

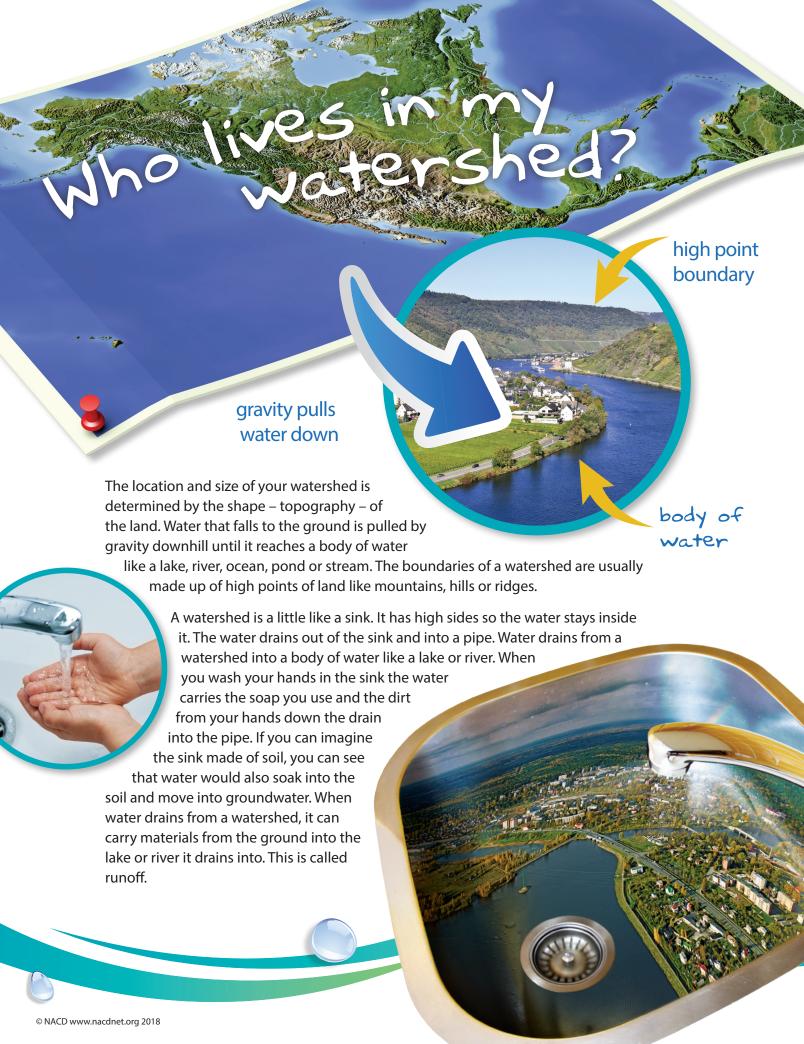
soil.

- The atoms that make up a water molecule.
- Forms of precipitation.
- Loose soil is ...
- An underground water supply.
- · Bodies of water.
- Words that start with the letter "r."

Write the message you found here:





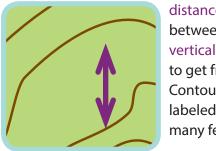


Looking At A Watershed with Topography

A topographical map is a great tool to see how your watershed holds and drains the water you use every day. Topographical maps can show bodies of water, roadways, hills and valleys, communities and even wooded areas. They use contour lines to show the height of the watershed boundaries and the land inside it to help you see how the water flows through your watershed.

Have you ever seen a movie in 3-D? Topographical maps are a way to look at the 3-D surface of land on a flat piece of paper.

Contour lines on a topographic map represent the vertical



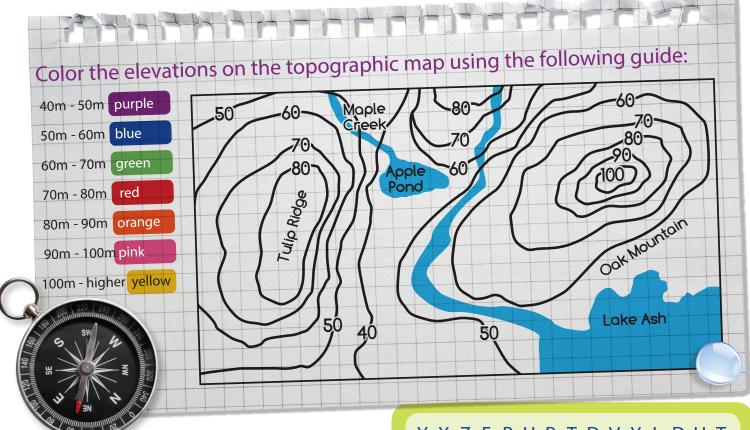
distance between two points. The distance between two contour lines represents the vertical distance you would have to climb to get from one elevation to the next. Contour lines begin at sea level. The lines are labeled with a number to let you know how many feet above sea level the land is.

The horizontal distance between contours tells you how steep the land is. On level ground the contour lines are farther apart. On steep ground the lines are closer together.

Turn the page and help put some color







What is the vertical distance (meters of elevation) between the contour lines on the topographic map?

What is the highest feature on the map?

How tall is it?

What feature has the steepest slopes?

Use a black pen or marker to draw arrows on the map showing how you think rain would flow from the highest points in the watershed to the lake, river, creek and pond.

Are there any bodies of water in your community? Name some:

Think about YOUR watershed. Where do you think water drains from before it reaches those bodies of water?

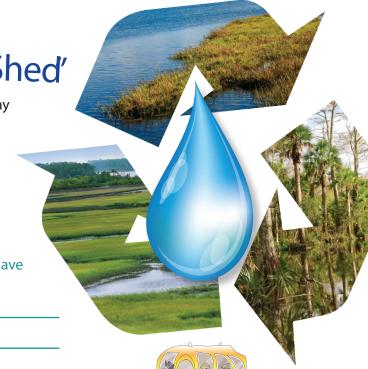
Y X Z E R U P T D V Y L D H T
Y H J C E M S E P E H A N R Q
R D P S D P H J E R H T N P P
Y B Z A B S F U G T V N J Z T
M C U Q R B S H N I L O V O C
S A K E W G E X T C S Z L B T
W T T C Y O O I O A N I T D V
L A E C G P G P O L I R O S V
W E L E V A T I O N A O G C E
K R R N P S L F B T R H O P Q
I G A S Q E R A Q F D N A G C
Z N J U A M S E V S T H R O K
T S E H G I H T T O S O R M M
F Z Q Y G B I H U E D Z W Z L
W A T E R B X R G R M N I V S

watershed map in the puzzle. Circle them and then write them in the blanks.			
	•		

There are 12 words related to our topographical

Recycled Water in the 'Shed'

Watersheds work with the water cycle to recycle water every day all over planet earth. You already know that precipitation flows on or through the watershed and eventually becomes your drinking water. Some of the natural elements found in watersheds (like wetlands and swamps) also work to provide us with clean water by filtering out pollutants. Healthy watersheds and clean water are vital to a healthy you. How many ways have you used water today? Did you drink water, brush your teeth, or take a shower? List some of the ways you have used water in the last 24 hours.





FOOD Where does your food come from? Not the grocery store! It comes from farms and ranches.
Clean water is needed for crops and animals.

CLOTHING Many industries – including the textile and clothing industries – use more water in their manufacturing processes than you would think. Did you know it takes 919 gallons of water to make one pair of blue jeans?

You use water in more ways than you may think about. Here are a few:



FUN Do you like to go swimming, fishing, snorkeling, surfing or kayaking? You want to do that in clean water!



Unscramble the tiles and put them in their proper order to discover another surprising way you use a LOT of water.

TAK WEE! BUR ATE A R T I
OO GER ROW, OO GAL 8,0 LON I
ES BET S O HAM O G IT O-1

