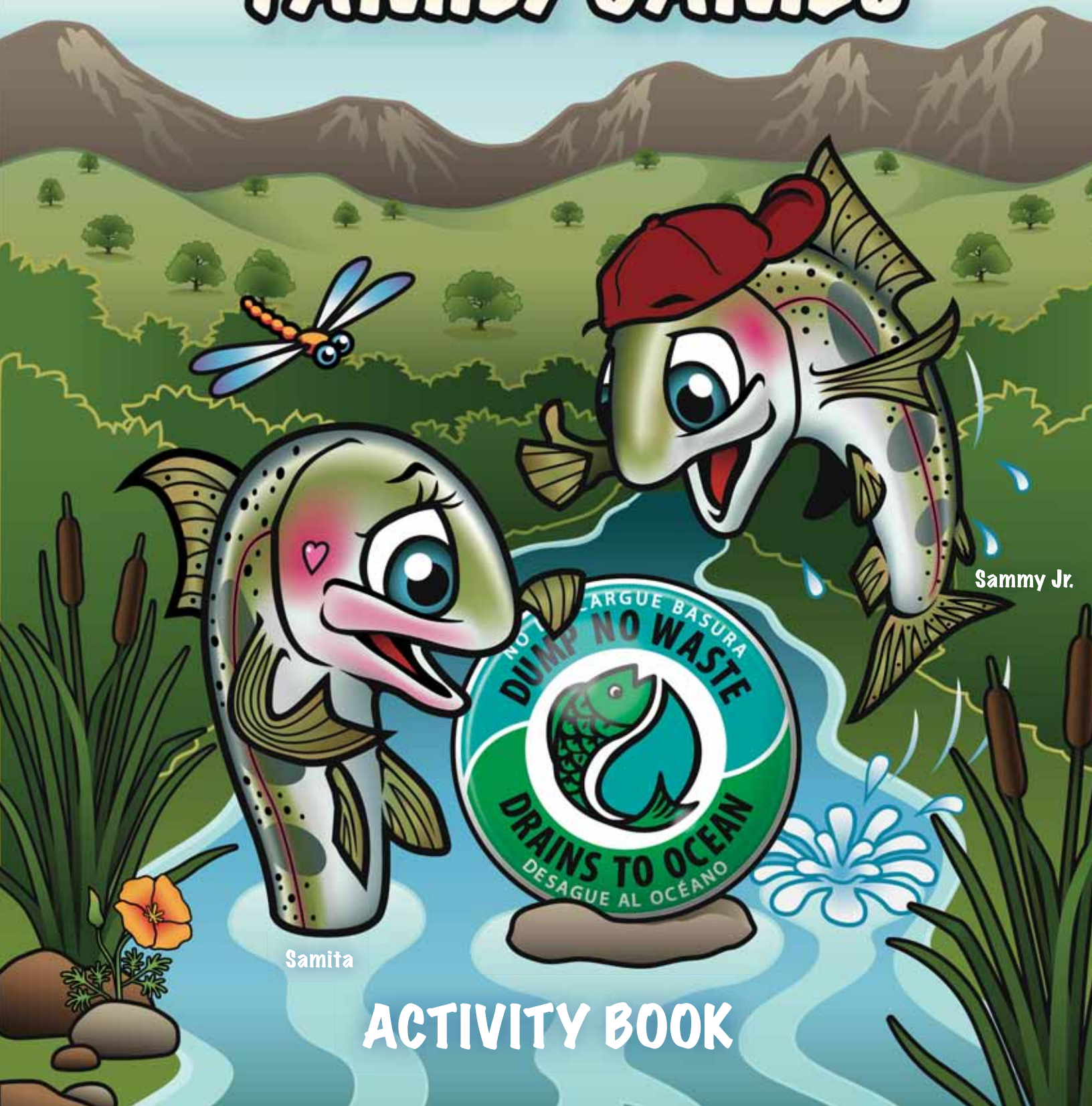


SAMMY FAMILY GAMES

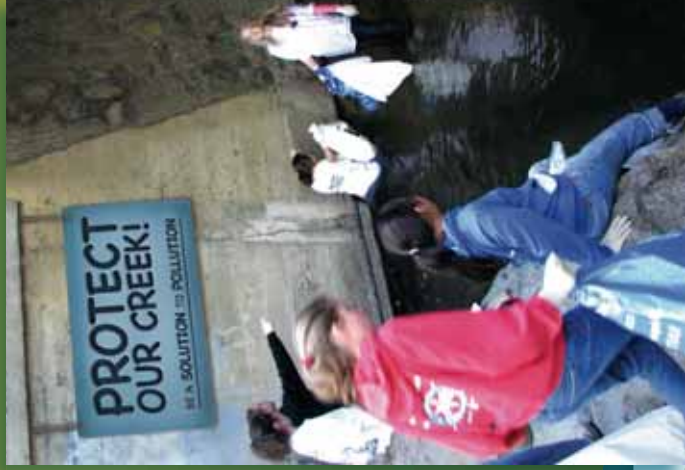


Samita

Sammy Jr.

ACTIVITY BOOK

YOU are the solution to pollution!



Once upon a time, people dumped trash and oil into the creek. The creek became very ugly, and the water was like poison. Many fish died.

Fish & Game Officer Howard Martin told everyone the pollution was killing the wildlife. He said, "A dirty creek is bad for fish *and* people." Some people did not want to change. They cried, "But we have always done it this way."

Officer Martin put on tall rubber boots and walked through the mess thinking, "What is the solution to all this pollution?"

Well, kids know the creek is a fun place to play, especially when you see fish and bugs and birds! They told Officer Martin, "We will help you clean up our creek."

The kids asked everyone to keep trash, oil, dirt, and chemicals out of the water. They got bags and picked up all the junk they could find. They learned that pollution from yards and streets goes down the drains when it rains.

These days the creek is much healthier. Fish and other wildlife have come back. Kids can play in the creek again. The solution to pollution is **YOU!**

Help STOP Stormwater pollution!



Did you know that pollution that enters storm drains goes straight to our creeks and the ocean? Keep **soap, oil, fertilizer, trash** and **other pollution** out of storm drains!

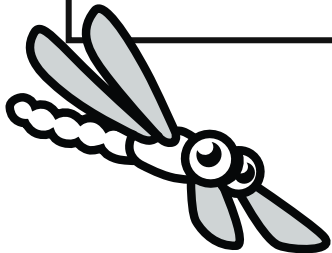
See the back page for some things **YOU** can do to prevent stormwater pollution!

Creek Creature Word Search

Word Bank

CASCADE	FINS
DRAGONFLY	EGGS
SOLUTION	FROG
POLLUTION	WATER
PROTECT	SNAIL
RACCOON	OCEAN
WILLOW	TAILS
TADPOLE	CREEK
COCOON	CLEAN
TROUT	FRY

F	I	N	S	O	L	U	T	I	O	N	O
P	R	O	T	E	C	T	A	I	L	S	N
W	A	T	E	R	A	C	C	O	O	N	F
C	R	E	E	K	C	L	E	A	N	A	N
P	O	L	L	U	T	I	O	N	O	I	T
P	T	W	N	R	F	R	O	G	T	L	S
C	A	S	C	A	D	E	L	L	A	R	S
O	D	R	A	G	O	N	F	L	Y	T	L
C	P	F	D	O	C	E	A	N	F	R	Y
O	O	C	O	P	T	U	N	W	O	O	D
O	L	W	I	L	L	O	W	O	O	U	O
N	E	G	G	S	N	E	L	I	C	T	O



Match the name of the picture with their numbered boxes!

Cross-Word Puzzle

1 ACROSS: D _ _ _

2 ACROSS: F _ _ _

3 ACROSS: S _ _ _

4 ACROSS: T _ _ _ _ _ S

5 ACROSS: F _ _ H

1 DOWN: _ _ _ _

2 DOWN: _ _ _

3 DOWN: _ _ _

4 DOWN: _ _ _

5 DOWN: _ _ _

Illustrations include: a frog, a duck, a dragonfly, a snail, a trout, and tadpoles.

Oil and Water Experiment

Just not a good mix!

See what happens when **oil** gets into **water**.

1. Find a clear jar or bottle and fill half way with water. Color the water with food coloring to see it better.

2. Add 2 Tablespoons of cooking oil into the jar and close the lid.

3. Shake the jar and see what happens...



The oil stays on the top of the water and **POLLUTES** it!

What do you think happens to sea animals when oil pollutes the ocean?



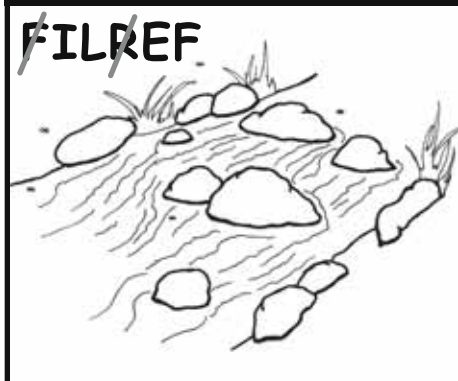
Word Scramble

Help fix the mixed-up word bank. Check the **next page** for *hints*.



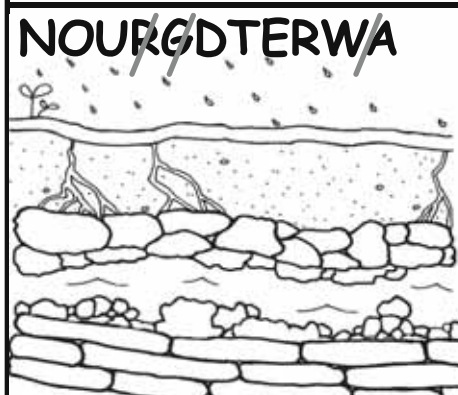
C _ _ _ _ _ D _ _

DEFINITION:
Fast moving water that falls over rocks in the creek.



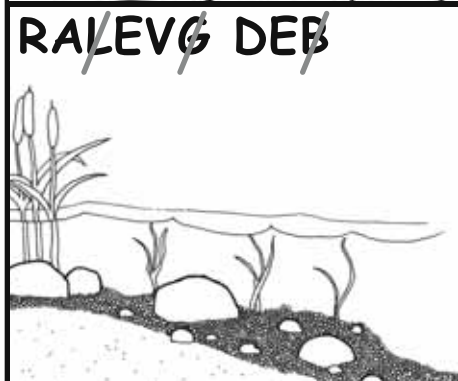
R _ _ F _ _ _ _

DEFINITION:
Rippling water caused by pebbles and rocks. Lots of bugs live here!



G R _ _ _ _ _ -
W _ _ _ _ _

DEFINITION:
Slow flowing underground water that supplies well water for drinking.



G _ _ _ _ _ L
B _ _ _

DEFINITION:
A calm area of the river where fish lay their eggs, and where they hatch.

Did you KNOW?



One small quart of motor oil going down a storm drain would pollute **250,000 gallons** of water. That's more water than you and five friends will need in your whole lives!

SPAWN SPA

Rest your fins, then return to the ocean.

You must hide from a hungry egret!
MISS A TURN.

ZOOM AROUND SLIDE!

Trees were cut down!
Now a landslide has blocked the creek.

GO BACK 2 SPACES.

HEADS 2 SPACES



Strong cascades.
GO 1 SPACE DOWNSTREAM.

Someone washed a car in the driveway.
Soap and oil got in the drain.
GO BACK 1 SPACE.

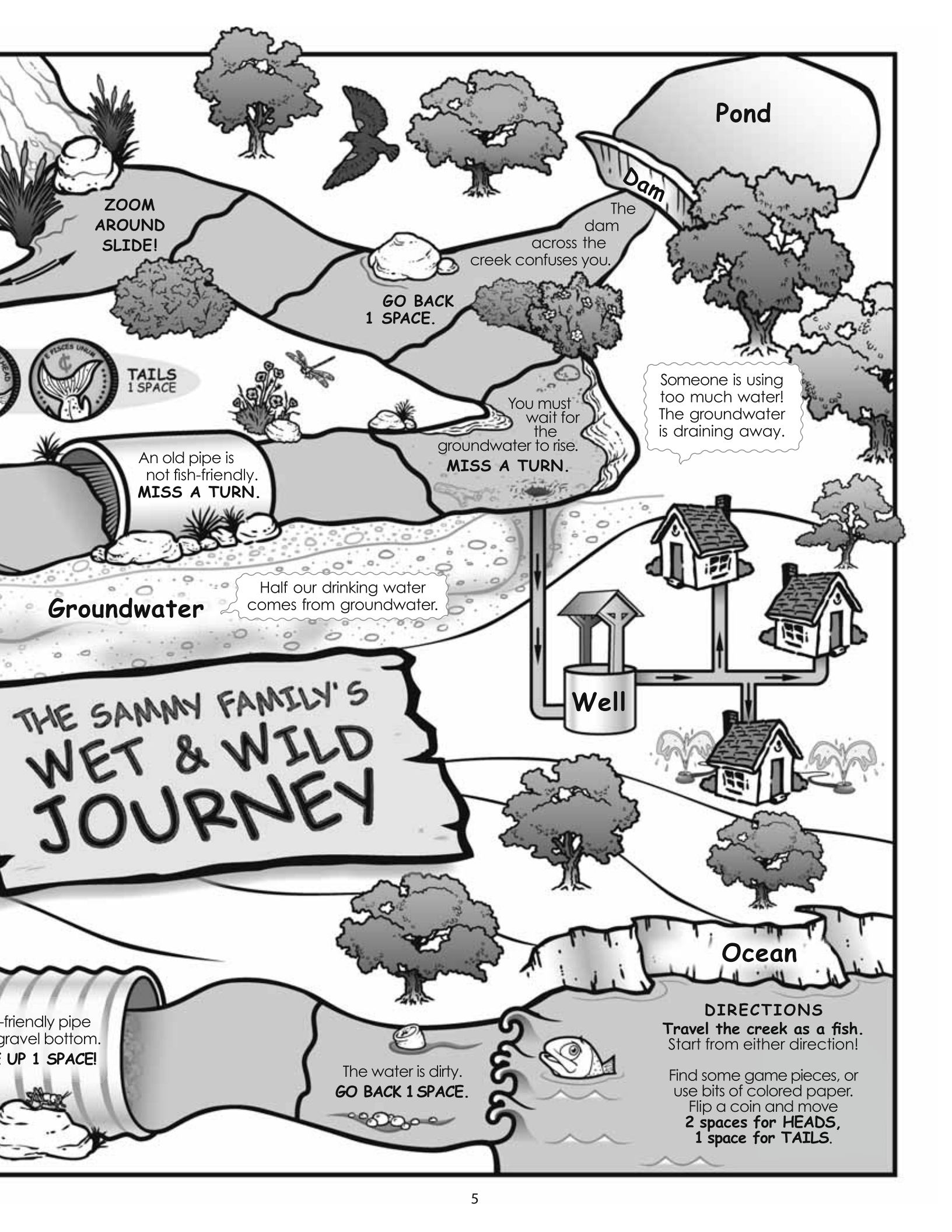


You ate a bug!
MOVE AHEAD 1 SPACE.

Riffles are rich in food and oxygen!
TAKE AN EXTRA TURN!

A fish-friendly pipe has a gravel bottom.
MOVE UP 1 SPACE!

A fish has a good day!
MOVE UP 2 SPACES!



Pond

Dam

The dam across the creek confuses you.

ZOOM AROUND SLIDE!

GO BACK 1 SPACE.

TAILS 1 SPACE

Someone is using too much water! The groundwater is draining away.

You must wait for the groundwater to rise. MISS A TURN.

An old pipe is not fish-friendly. MISS A TURN.

Groundwater

Half our drinking water comes from groundwater.

Well

THE SAMMY FAMILY'S WET & WILD JOURNEY

Ocean

fish-friendly pipe with gravel bottom. UP 1 SPACE!

The water is dirty. GO BACK 1 SPACE.

DIRECTIONS
Travel the creek as a fish. Start from either direction!

Find some game pieces, or use bits of colored paper. Flip a coin and move 2 spaces for HEADS, 1 space for TAILS.

Picnic Pick-Up

Look at everything that has been left behind after a picnic! **Help Clean up** and find the 12 forgotten items.



Sometimes I wash my food in the creek. I love it when the water is clean.



What animal am I? R _____

Water Wisecracks!

Q: Do you know why some fish are so smart?

A: Because they live in schools!

Q: What do rivers do when they want to be cool?







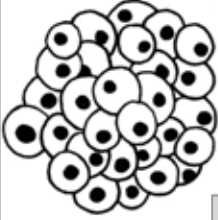

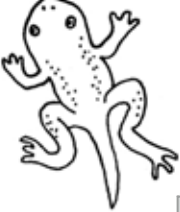



A: They go with the flow!

Q: What do you get when you cross a fish with an elephant?

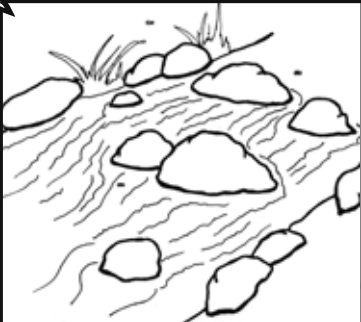


A: Swimming trunks!

Life Cycle Scramble

The life cycles of these animals are mixed up. Number the eggs 1, then put the other stages in order, 1 through 4.

FISH	BUTTERFLY	FROG
 4		
		
 1		
		

Now draw a line to the place you're likely to find these animals.

 CREEK	 LILY PAD	 FLOWER
---	---	--

Game Solutions

Word Bank

CASCADE FINS
 DRAGONFLY EGGS
 SOLUTION FROG
 POLLUTION WATER
 PROTECT SNAIL
 RACCOON OCEAN
 WILLOW TAILS
 TADPOLE CREEK
 COCOON CLEAN
 TROUT FRY

page 2

<p>CASCADE</p>	<p><u>C</u> <u>A</u> <u>S</u> <u>C</u> <u>A</u> <u>D</u> <u>E</u></p> <p>DEFINITION: Fast moving water that falls over rocks in the creek.</p>
<p>RIFPLE</p>	<p><u>R</u> <u>I</u> <u>F</u> <u>F</u> <u>L</u> <u>E</u></p> <p>DEFINITION: Rippling water caused by pebbles and rocks. Lots of bugs live here!</p>
<p>GROUNDWATER</p>	<p><u>G</u> <u>R</u> <u>O</u> <u>N</u> <u>D</u> <u>-</u> <u>W</u> <u>A</u> <u>T</u> <u>E</u> <u>R</u></p> <p>DEFINITION: Slow flowing underground water that supplies well water for drinking.</p>
<p>GRAVEL BED</p>	<p><u>G</u> <u>R</u> <u>A</u> <u>V</u> <u>E</u> <u>L</u> <u>B</u> <u>E</u> <u>D</u></p> <p>DEFINITION: A calm area of the river where fish lay their eggs, and where they hatch.</p>

page 3

Sometimes I wash my food in the creek, so I love it when the water is clean.

I'm a: R A C C O O N

page 6

FISH	BUTTERFLY	FROG
4	3	1
2	1	4
1	4	3
3	2	2

page 7

HOW WATER MOVES AROUND

I'm a single drop of water. Trace my path through the water cycle to the ocean, and the house.



CONDENSATION

PRECIPITATION

SURFACE RUNOFF

EVAPORATION

OCEAN

CREEK

PERCOLATION

WELL

GROUNDWATER

GET TO KNOW WATER



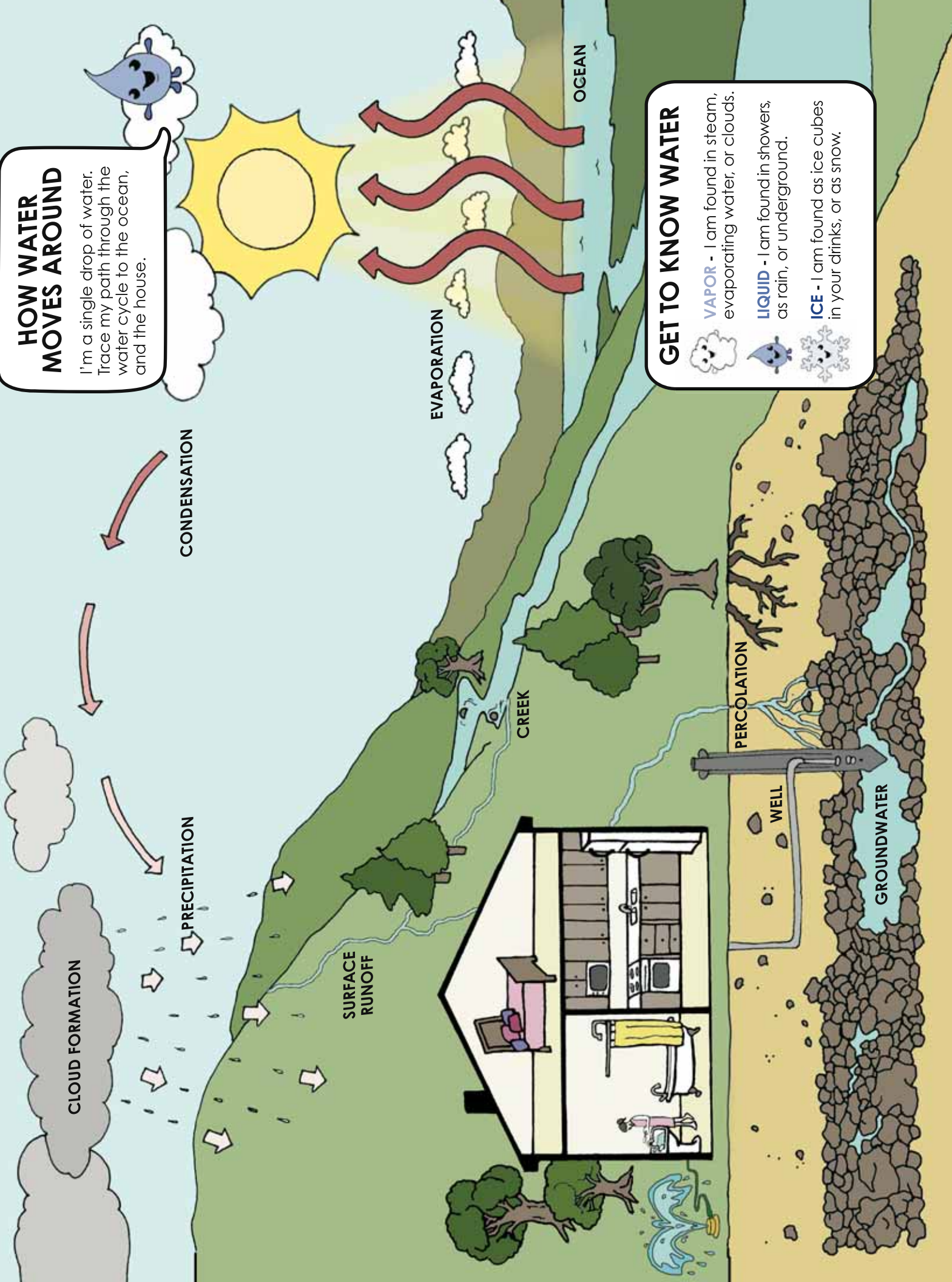
VAPOR - I am found in steam, evaporating water, or clouds.



LIQUID - I am found in showers, as rain, or underground.



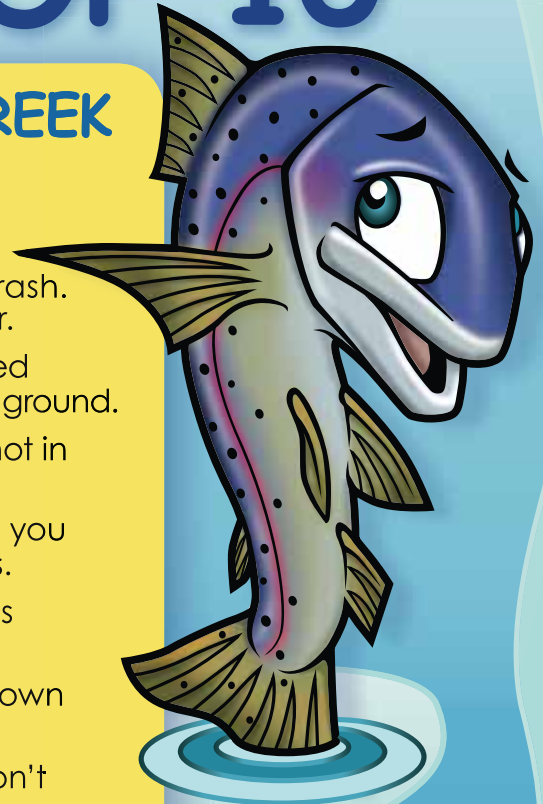
ICE - I am found as ice cubes in your drinks, or as snow.



SAMMY'S TOP 10

WAYS TO PROTECT THE CREEK

1. Never let **anything** except rain go into storm drains, gutters, ditches, or creeks.
2. **Reduce, Reuse, and Recycle** and make less trash. Bring your own bags for shopping. Never litter.
3. Keep your car fixed to prevent leaks. Recycle used motor oil. Tell an adult if you see oil spilled on the ground.
4. Wash your car at a CarWash or on your lawn, not in the driveway. Use nontoxic cleaners.
5. Use nontoxic household chemicals. Make sure you follow disposal directions on empty containers.
6. Stop using or reduce the use of toxic pesticides on your yard.
7. Reduce your use of fertilizers. Try making your own compost, or use slow-release fertilizers.
8. Plant or mulch bare spots in your yard so soil won't wash away.
9. Pick up after your pet.
10. Maintain your septic system so it does not leak or overflow.



Visit our website to find out more about what you and your family can do at home to prevent stormwater pollution!



County of San Luis Obispo Stormwater Management Program

Report stormwater pollution by calling:
The County Stormwater Pollution Prevention Hotline.

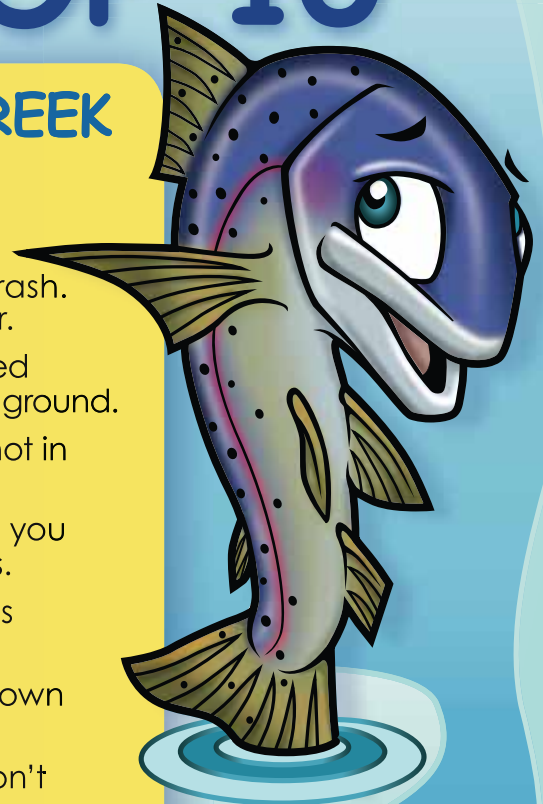
(805) 781-5544

Visit us for more information:
www.slocounty.ca.gov/pw/stormwater

SAMMY'S TOP 10

WAYS TO PROTECT THE CREEK

1. Never let **anything** except rain go into storm drains, gutters, ditches, or creeks.
2. **Reduce, Reuse, and Recycle** and make less trash. Bring your own bags for shopping. Never litter.
3. Keep your car fixed to prevent leaks. Recycle used motor oil. Tell an adult if you see oil spilled on the ground.
4. Wash your car at a CarWash or on your lawn, not in the driveway. Use nontoxic cleaners.
5. Use nontoxic household chemicals. Make sure you follow disposal directions on empty containers.
6. Stop using or reduce the use of toxic pesticides on your yard.
7. Reduce your use of fertilizers. Try making your own compost, or use slow-release fertilizers.
8. Plant or mulch bare spots in your yard so soil won't wash away.
9. Pick up after your pet.
10. Maintain your septic system so it does not leak or overflow.



Visit our website to find out more about what you and your family can do at home to prevent stormwater pollution!