

THE MYSTERY OF THE TRASHY GOO!

HI! MY NAME IS
DETECTIVE FROG.
I NEED YOUR HELP TO
SOLVE A MYSTERY!

MY FRIEND LILY LIVES IN A POND.
LILY AND HER FRIENDS FEEL SICK
AFTER IT STORMS.

OUR JOB IS TO FIND OUT WHY
LILY FEELS SICK.

HERE ARE OUR CLUES:

THEY FEEL SICK
AFTER RAINSTORMS.

THEY FEEL SICK
AFTER SNOW MELTS
IN THE SPRING.

THERE IS A DRAINPIPE
IN LILY'S POND!

TRASHY GOO COMES
OUT OF THE DRAINPIPE
AFTER A STORM.

WHAT DO YOU THINK IS MAKING
LILY AND HER FRIENDS SICK?
COULD IT BE THE TRASHY GOO?

IF IT IS THE TRASHY GOO,
THEN HOW DID IT GET
INTO LILY'S POND?

THAT IS THE MYSTERY WE NEED TO SOLVE! **LET'S GO!**

THE MYSTERY OF THE TRASHY GOO

Rain water from a storm is called **storm water**.

The drainpipe in Lily's pond is called a **storm drain outlet**.

The storm drain is part of a system of ditches and pipes. **Storm drain ditches** are open trenches where water flows to a pond or river. When the rain fall is not heavy, the ditch may allow the water to soak into the soil and become groundwater.

Storm water pipes run under the streets. Rainwater goes into the pipes through grates in the streets. The grates are called **storm drain inlets**.

Trashy Goo comes out of the **storm drain outlet** with the storm water.

The Trashy Goo is called storm water pollution. You can help prevent storm water pollution by thinking about FROGS:

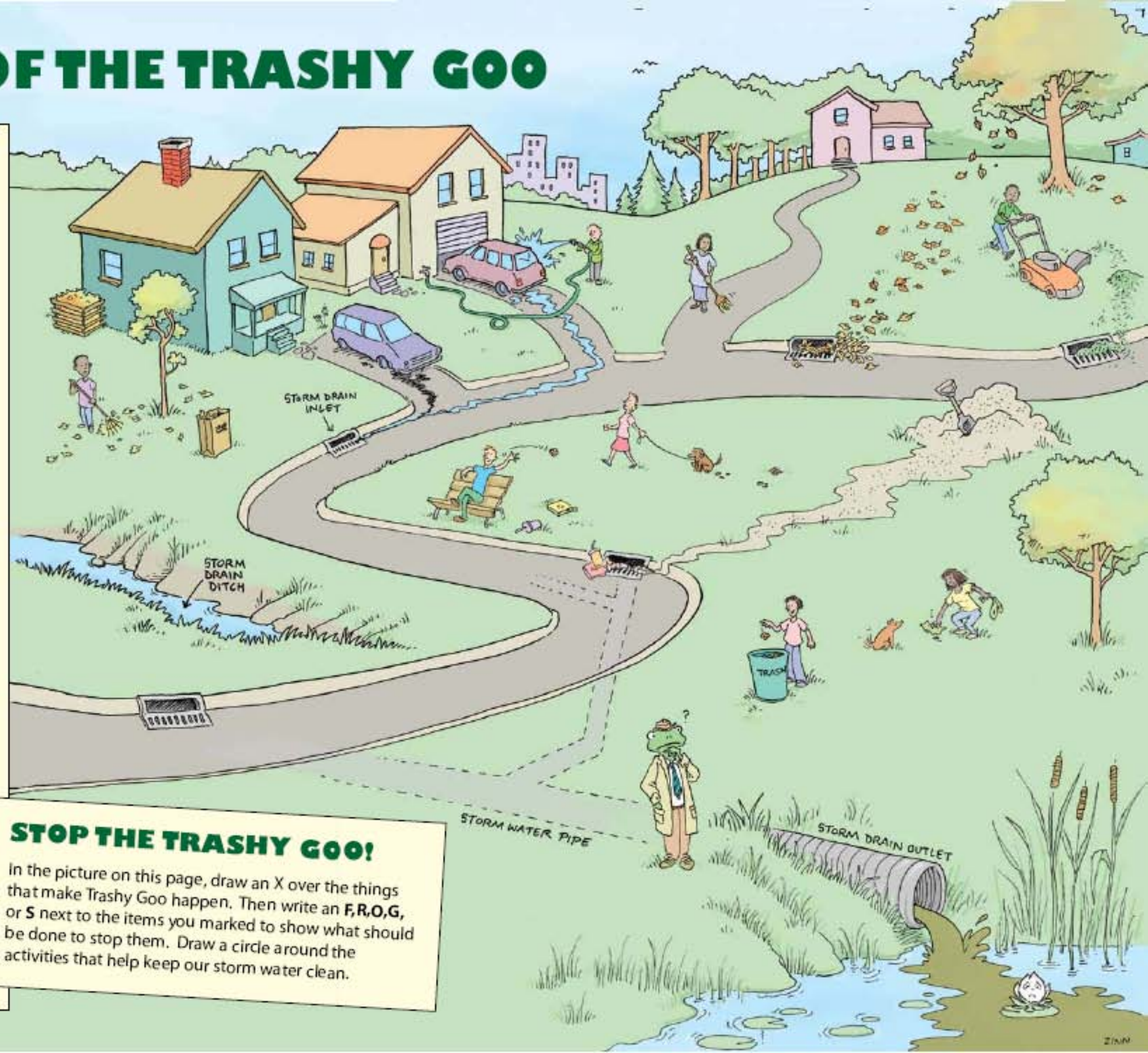
F stands for **Fix oil leaks**. Ask your parents to fix oil leaks from your car. Then, recycle the used motor oil.

R stands for **Rake leaves**. Start composting them at home. Or, put them out for composting pick up.

O stands for **Only rain down the drain**. Sweep up grass and dirt instead of using a hose.

G stands for **Gather litter**. Don't litter. Pick up litter at school and in your neighborhood.

S stands for **Scoop up your doggie doo**. Clean up after your pet. Put doggie doo in a bag. Then, throw it in the trash.



STOP THE TRASHY GOO!

In the picture on this page, draw an X over the things that make Trashy Goo happen. Then write an **F, R, O, G,** or **S** next to the items you marked to show what should be done to stop them. Draw a circle around the activities that help keep our storm water clean.

De-code Lily's secret message by using the code in the box below.

L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

12 20 18 16 3 23 20 1 5 5 7 20 11 20 3 9

8 9 4 7 2 12 16 9 20 7 5 4 1 1 10 9 24 4 3



TRASHY GOO WORD SEARCH

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

Find and circle these words:

trashy goo
storm drain

pipe
system
frogs
oil

litter
leaves
doggie doo
grass

dirt
pollution
pond

A note to parents:

Did you know that the water that flows from your yard and neighborhood street goes untreated into area waterways? These waters carry with them many pollutants that can cause environmental and health problems. Please do your part to keep our water safe for drinking, safe for recreation, and safe for the many varieties of plants and wildlife that make the water their home.

This storm water lesson provides you with some actions you and your family can take. Please do your part and ask your friends and neighbors to do the same.

Provided by The Ecology Center
www.ecocenter.org
(734) 761-3186

For additional information:
www.epa.gov/kids

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