

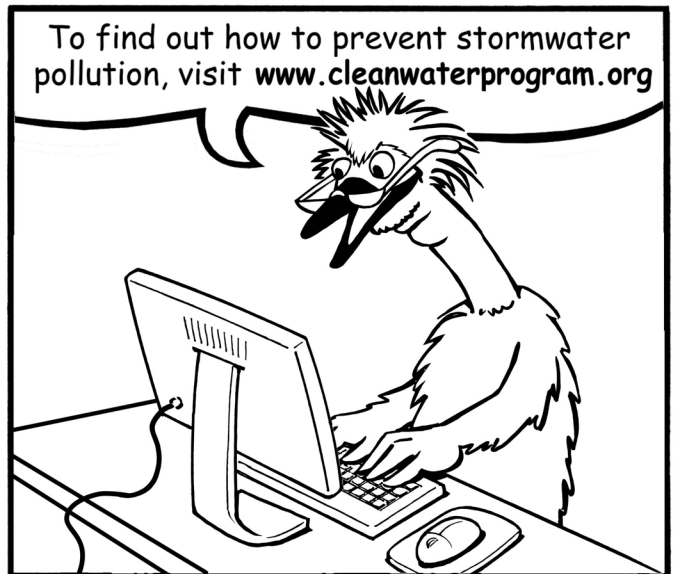
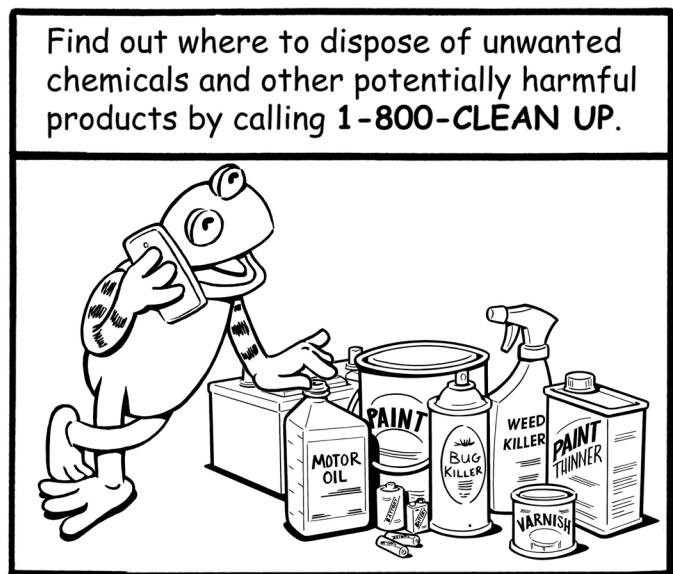
The CLEAN WATER ACTIVITY BOOK

TAKE CARE
OF YOUR STORM
DRAINS!

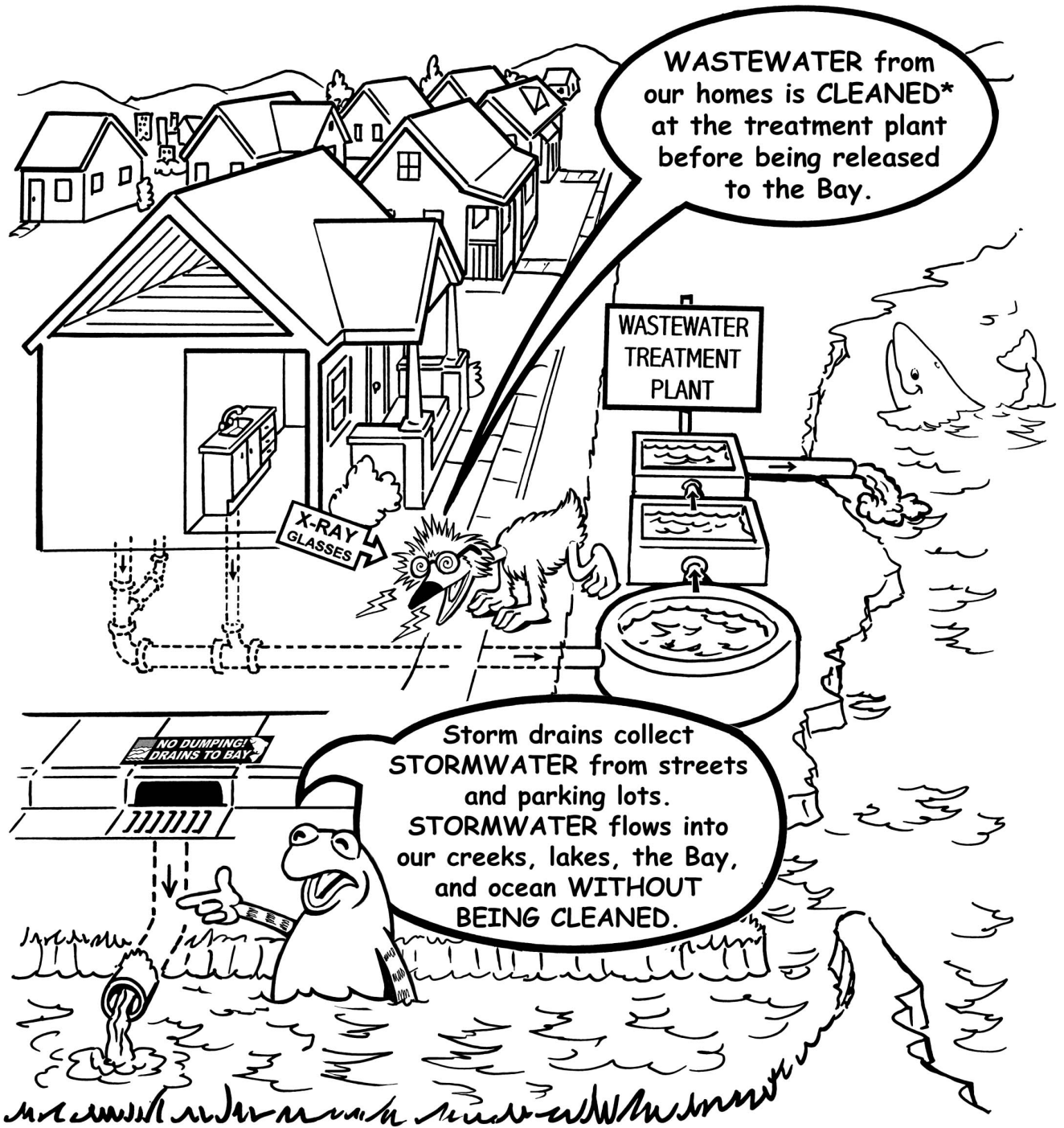
USE LESS
BUG SPRAY!

PICK UP
LITTER!





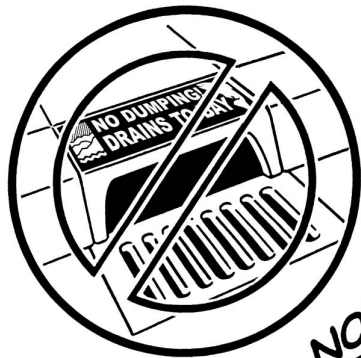
WHAT IS THE DIFFERENCE BETWEEN "STORM" WATER AND "WASTE" WATER?



ACTIVITY:

Color the path of the **STORMWATER** from the storm drain to the creek and the Bay **BLUE**.
Color the path of **WASTEWATER** from the house to the treatment plant **YELLOW**.

* Some chemicals that are found in households (like paints, pesticides and motor oil) pass right through the treatment plant and into the bay.

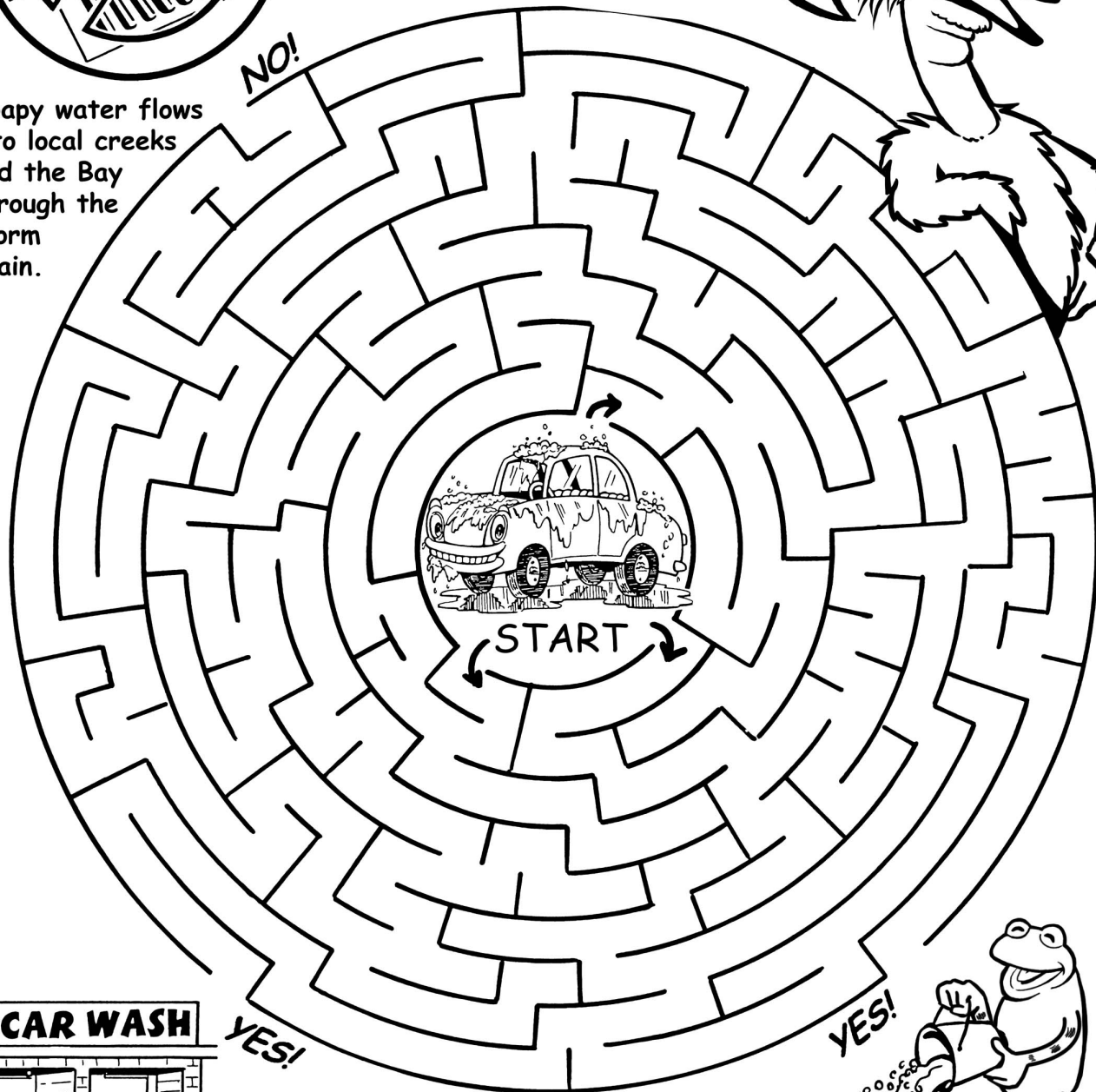


Take your car to a **CAR WASH** or wash it over ground that can soak up the water to keep soapy water out of the storm drain.



Soapy water flows into local creeks and the Bay through the storm drain.

NO!



Soapy water is recycled or sent to the waste water treatment plant.

YES!



YES!

Soapy water is soaked up by grass, dirt, or gravel and does not flow into a storm drain.



LET'S CLEAN IT UP!

Oil is one of the most common pollutants in our water. Most of the oil in oceans gets there when oil tanks on ships are rinsed while at sea. When waterfowl come in contact with oil, their feathers become matted. Oily, matted feathers lose their ability to insulate. Because of this, the birds can die from the cold. When a bird tries to clean the oil off of its feathers, it may swallow some of the oil which can lead to stomach ulcers. The only way to save the oil-covered bird is to scrub it with a detergent, like you might scrub a greasy pan. This is not a perfect solution. It is very expensive and takes a long time to clean birds.

In this activity you will try several ways to clean the oil from the water. These ways are similar to the ones used by clean-up crews in real life spills. Although oil spills do not happen in all areas, it's good to know how hard it is to clean one up.

Materials:

one large bowl
one measuring cup
water
cooking oil
different dishwashing detergents
paper towels or a piece of cloth
sponges
string

Procedure:

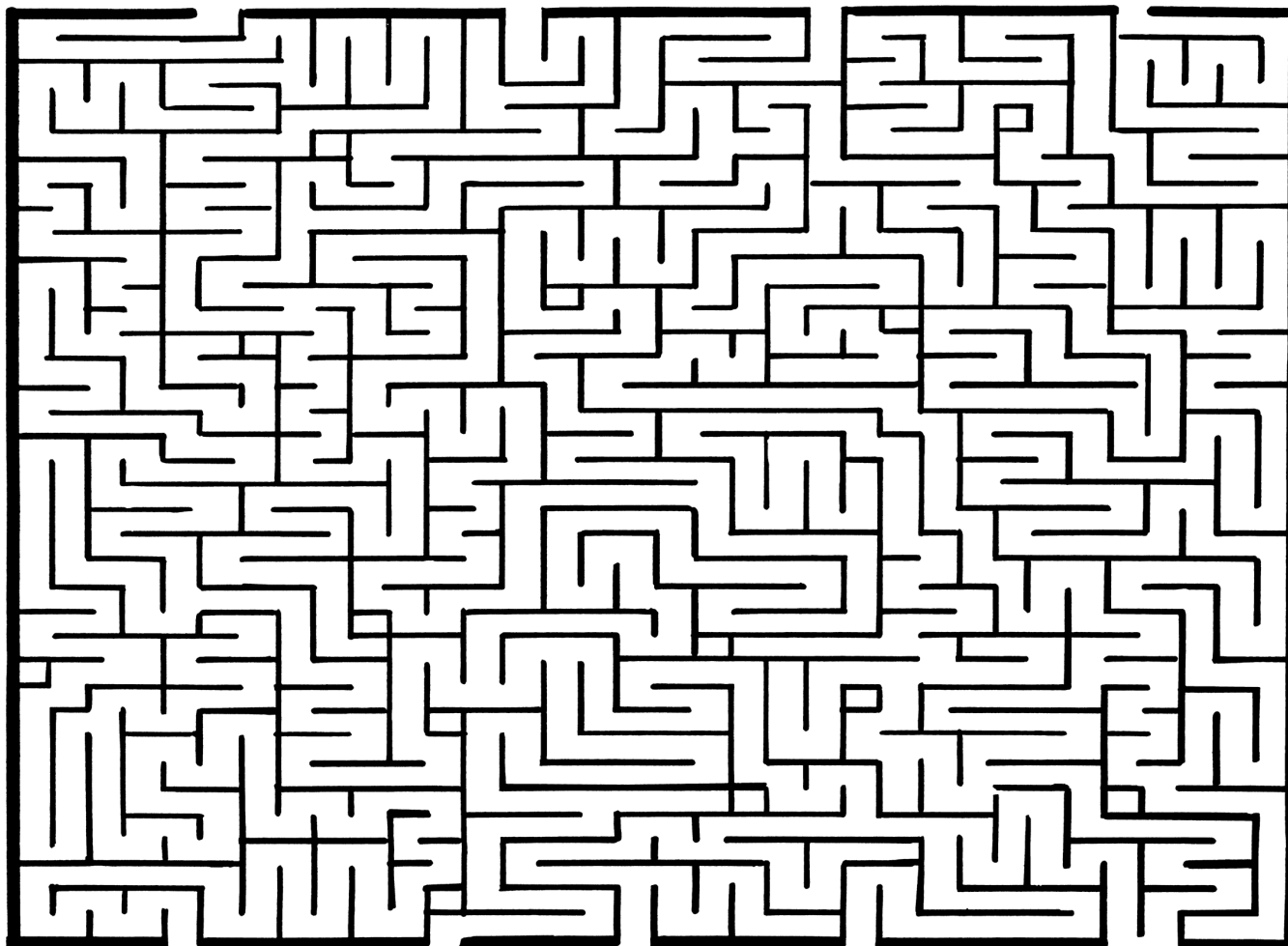
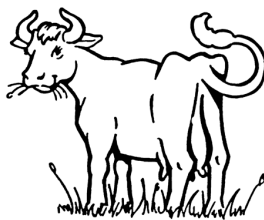
1. Fill half of the bowl with water.
2. Measure 1/4 cup of oil and pour into the bowl of water.
3. Gently shake the bowl to create "waves".
Did the oil and the water mix?
4. Now try to clean up the oil using:
 - 💧 Paper towel or cloth.
 - 💧 Use string to make a border around the oil and try to drag the oil to one side of the bowl.
 - 💧 Use the sponge to try to soak up the oil.



TRY TO CLEAN UP THE OIL WITH EACH METHOD!

Thanks to the EPA for the contents of this page.

EVERYBODY POOPS, but not in the creek! Make sure the poop from these animals finds its way to the trash instead of the creek!



NO

NO

NO

NO!!

YES!



ACTION: Pick up after your pet! Your pet's poop can contain bacteria and viruses which could spread to other wildlife. Animals should not poop in or near creeks or other bodies of water. Their poop contributes to algae growth, which uses up oxygen in the water that fish need to survive.

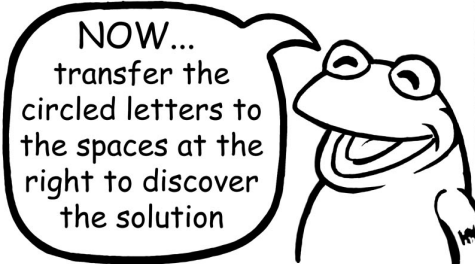


	A	B	C	D	E	F	G	H	I	J	K	L	M
SECRET	•	••	•••	/	^	△				└	┘	┌	┐
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	□	/	∕	∕	:		□	○	◻	◻	▽	≡	∕

Water that comes from your or from the garden , is piped to us from our local drinking water supplier. Our water supplier

 this water for us to drink by adding very small amounts of a disinfectant to the water—such as or chlorine. In order for swimming pools to be safe for us to in, we also add very small amounts of chlorine to the water. Chlorine kills

 and that could make us sick, but it is also very to fish , or water containing chlorine or chloramine should not go down a storm drain because all storm drains flow to local and the -home to fish and other wildlife.



ACTION:
 If water from a pool or spa needs to be drained, call your local district or wastewater treatment plant for information on how to drain it correctly.

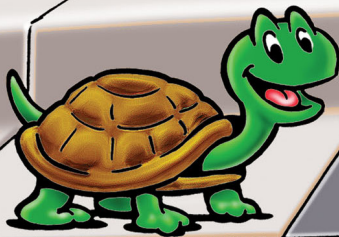


YOU can PROTECT CREEKS, LAKES, and the San Francisco BAY!



Litter, especially lightweight plastic, can be blown far away and end up in our water. Animals such as birds, sea turtles, and dolphins mistake litter for food, eat it, and die. Here's how you can keep these animals healthy:

- Don't let balloons fly away.
- Cut up 6-pack rings.
- Never litter. Keep your trash with you until you find a garbage can.
- Pick up litter that you see and dispose of it in a trash or recycling can.
- Participate in a creek, lake or shoreline cleanup.



**NO DUMPING!
DRAINS TO BAY**



If it goes down the storm drain, it ends up in our water.

Having clean and healthy waterways is important to our daily lives. The Clean Water Program fosters an appreciation of the local environment, inspiring people to do their part to prevent water pollution during everyday activities.

Learn more about preventing water pollution and the Clean Water Program at www.cleanwaterprogram.org.

Protecting Alameda County Creeks, Wetlands & the Bay