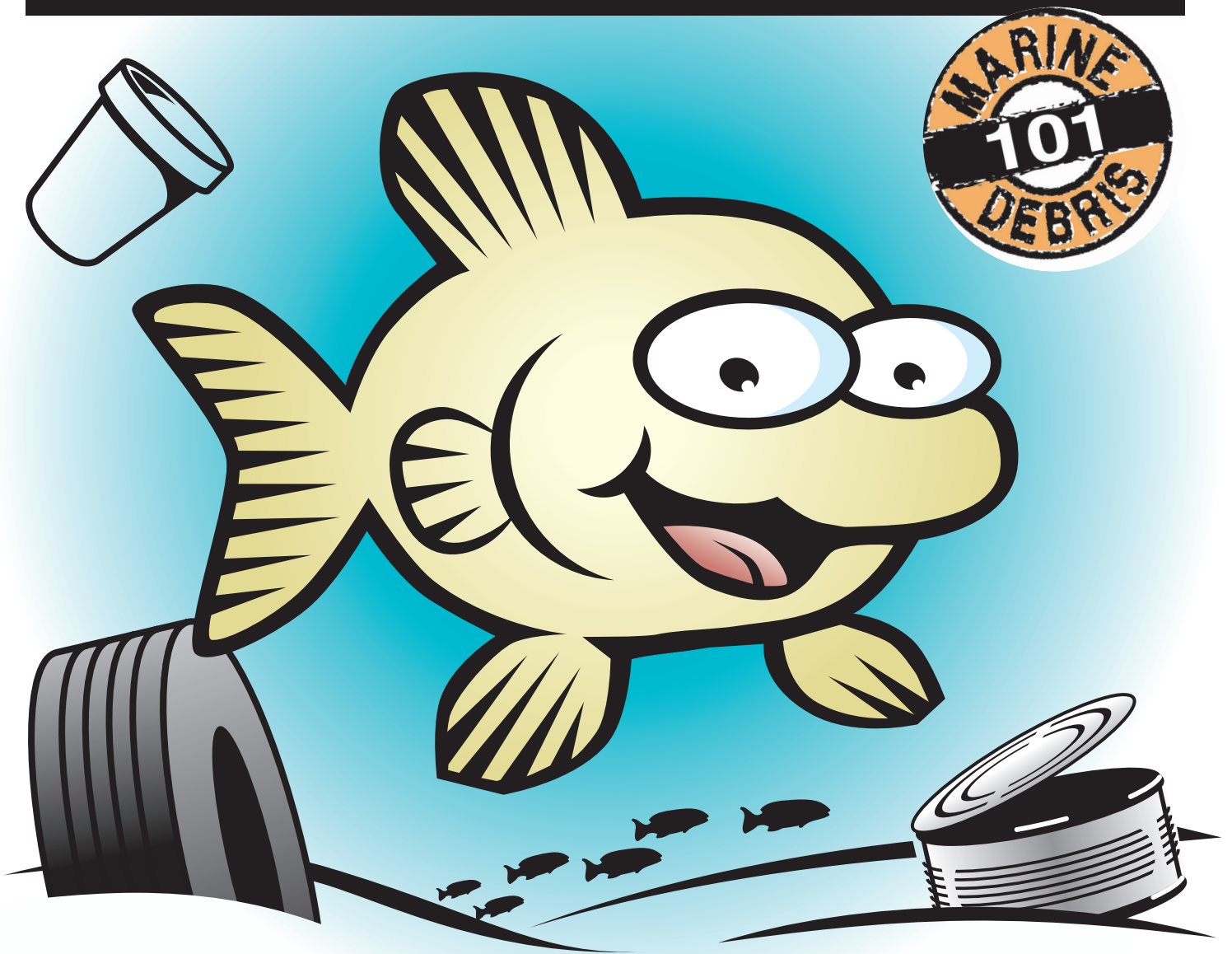


UNDERSTANDING MARINE DEBRIS

GAMES & ACTIVITIES FOR KIDS OF ALL AGES



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
Office of Response and Restoration
Marine Debris Program

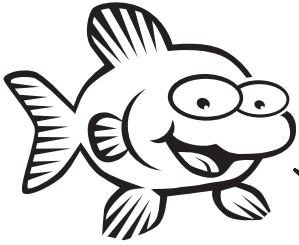


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For more great activities, information, and
what you can do to prevent marine debris visit
<https://marinedebris.noaa.gov/>

Tons of Trash!



Litter is generated by many sources, from boats and oil rigs on the water to picnickers, fishermen, and beachgoers along the shore. Hidden below is a list of objects that have been discarded into our oceans. See if you can find them all!

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

These hidden words are found horizontally, vertically and diagonally. (Answers on page 13).

BAIT CONTAINER
BALLOON
BUCKET
BUOY
CIGARETTE

CRATE
CUP
DIAPER
DOLL
FISHING LINE

FISHING NET
GLASS BOTTLE
GLOVE
HARD HAT
HOSE

LUMBER
PAINT BRUSH
RADIO
ROPE
RUG

SHOE
SODA CAN
STRAW
TIRE
TRASH BAG

Types of Marine Debris



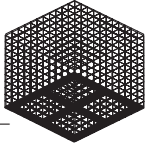
11 ACROSS:
CHILDREN'S _____



14 DOWN:
WOODEN _____



17 DOWN:
CRAB _____



MARINE DEBRIS COMES FROM MANY SOURCES

ACROSS:

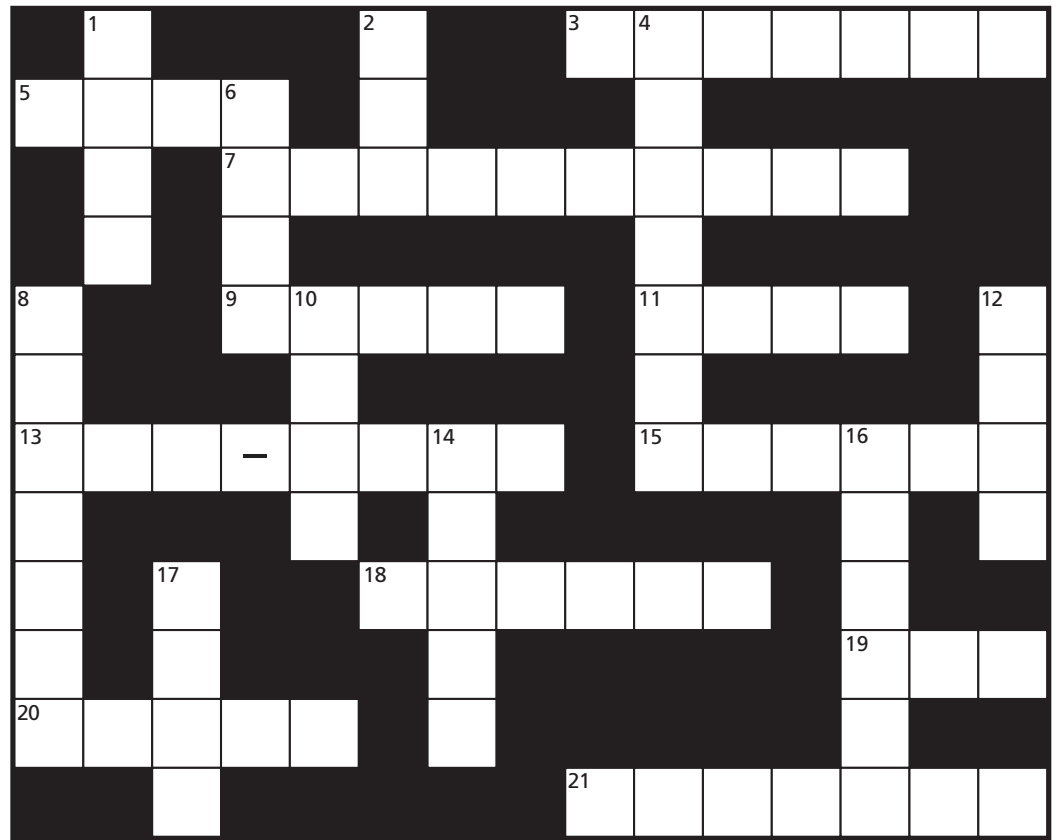
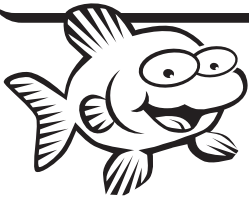
These litter items are generated by people on land such as beachgoers, picnickers, and those who improperly dump their trash.

DOWN:

These litter items are generated by people at sea such as boaters, fishermen, and passengers on cargo or cruise ships.

PARENTS CAN HELP!

(Answers on page 13)



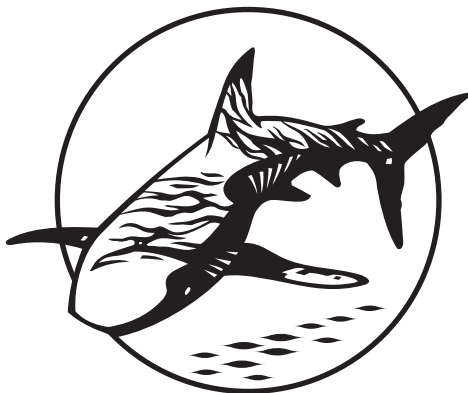
The Source of the Problem

PARENTS CAN HELP!

There are nine pictures below. Circle the pictures which you believe could be sources of marine debris or ocean trash. When you have finished, write down what these pictures have in common. Answers on page 13.



A CRUISE SHIP



A SHARK



PICNICKERS



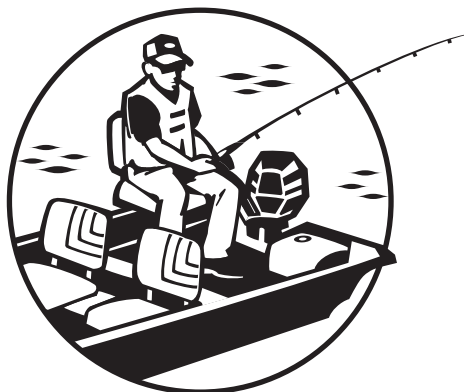
A FISH



A MAN WASHING HIS CAR



DOLPHINS



A FISHERMAN



SEA GULLS



A BEACHGOER

Go Fish!





Learn to Be a Drain Brain!



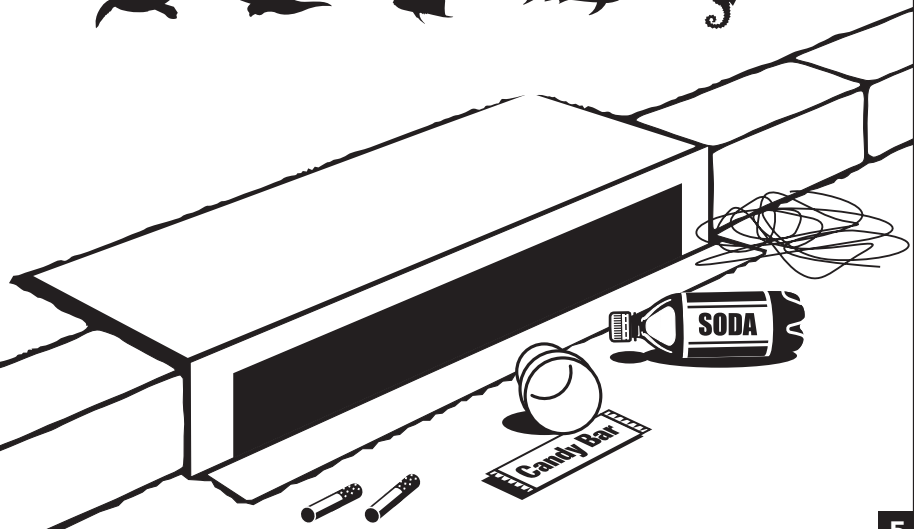
Unlock the Secret Message and Discover How You Can Become a Drain Brain!

Have you ever wondered what those holes are at the edge of the sidewalk? They're called **storm drains** and they carry rain water off the street and into streams and rivers.

Soda bottles, paper cups, candy wrappers, cigarette butts and all of the trash in the street gets carried into storm drains with the rain water until it finally reaches the ocean and becomes debris.

Unlock the secret message by using the chart below to replace the shapes with the letters they match up with.

(Answers on page 13)



Marine Match-Up







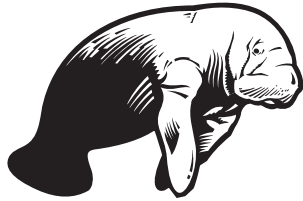
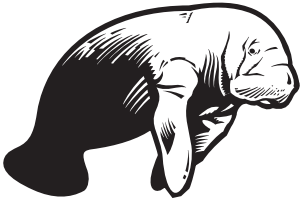




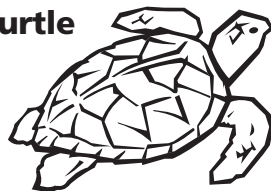
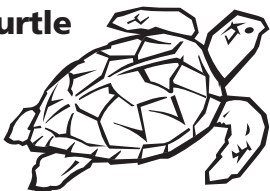




What do you think happens when an animal comes across litter in its natural habitat?

A sea turtle can choke on a plastic sandwich bag that it mistakes for food. A curious sea lion can get entangled in discarded commercial fishing nets.

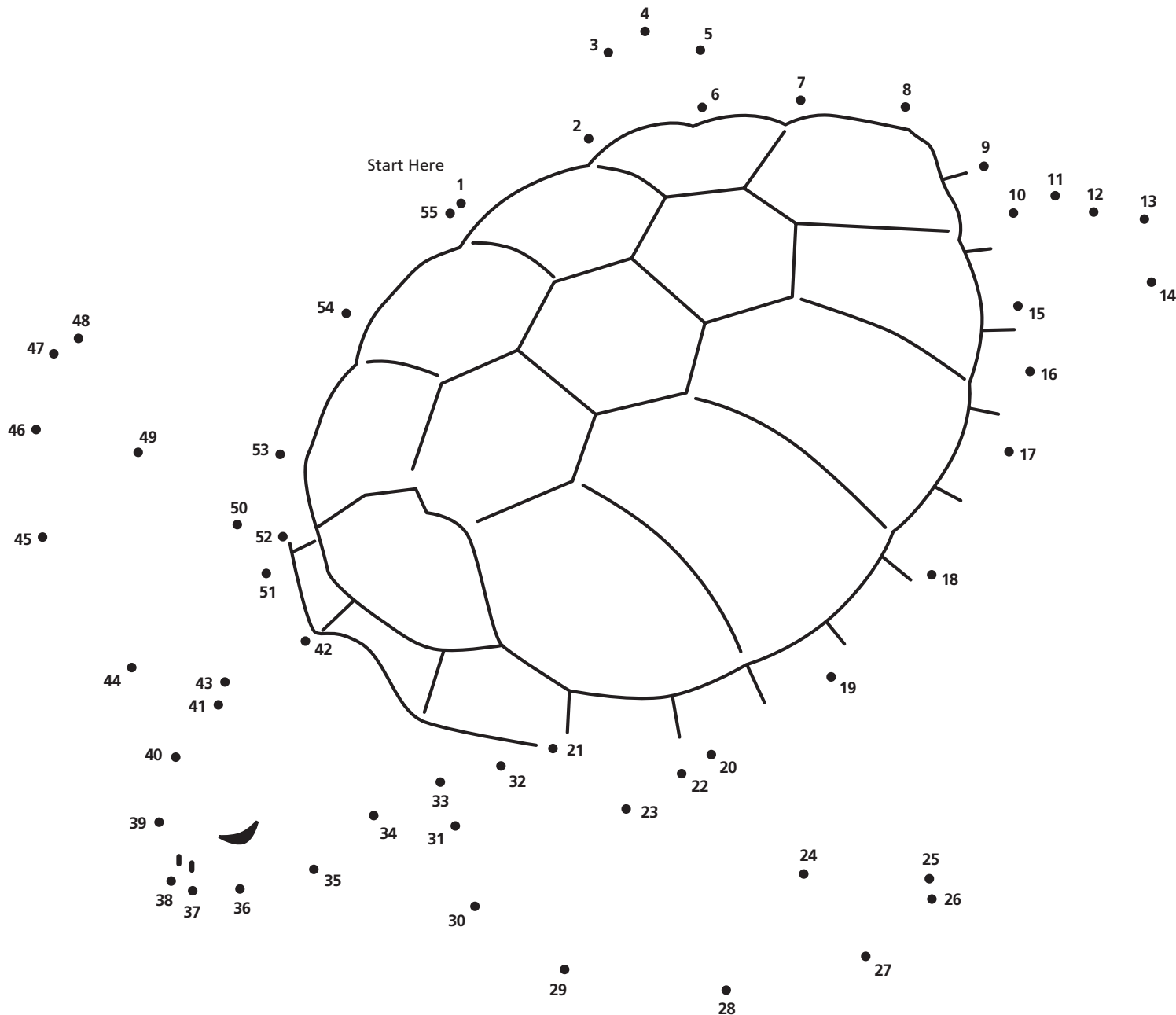
Play the MARINE MATCH-UP game to learn more about how litter harms marine animals.

HOW TO PLAY (FOR TWO PLAYERS)

- 1.) Cut out the squares and place them face down.
- 2.) Player 1 turns over two squares.
- 3.) If a match is revealed, the player gets to keep the two squares. For example, if the player reveals two Dolphins, he gets to keep the two squares. However, if the player reveals two animals which DO NOT match, then both squares are turned face down again and Player 2 takes a turn.
- 4.) When all the squares are gone, the player with the most number of squares wins.

<p>Dolphin</p>  <p>A dolphin can get tangled in fishing gear</p>	<p>Dolphin</p>  <p>A dolphin can get tangled in fishing gear</p>	<p>Pelican</p>  <p>A pelican can get its neck stuck in a six-pack holder</p>	<p>Pelican</p>  <p>A pelican can get its neck stuck in a six-pack holder</p>
<p>Manatee</p>  <p>A manatee can get tangled in discarded fishing line</p>	<p>Manatee</p>  <p>A manatee can get tangled in discarded fishing line</p>	<p>Raccoon</p>  <p>A raccoon can cut its paws on broken glass</p>	<p>Raccoon</p>  <p>A raccoon can cut its paws on broken glass</p>
<p>Sea Gull</p>  <p>A sea gull can become entangled in discarded fishing line</p>	<p>Sea Gull</p>  <p>A sea gull can become entangled in discarded fishing line</p>	<p>Sea Turtle</p>  <p>A sea turtle can choke on a plastic bag</p>	<p>Sea Turtle</p>  <p>A sea turtle can choke on a plastic bag</p>
<p>Beaver</p>  <p>A beaver can get its head stuck in a tin can</p>	<p>Beaver</p>  <p>A beaver can get its head stuck in a tin can</p>	<p>Sea Lion</p>  <p>A sea lion can become entangled in ropes and nets</p>	<p>Sea Lion</p>  <p>A sea lion can become entangled in ropes and nets</p>

A Sea Turtle's Story



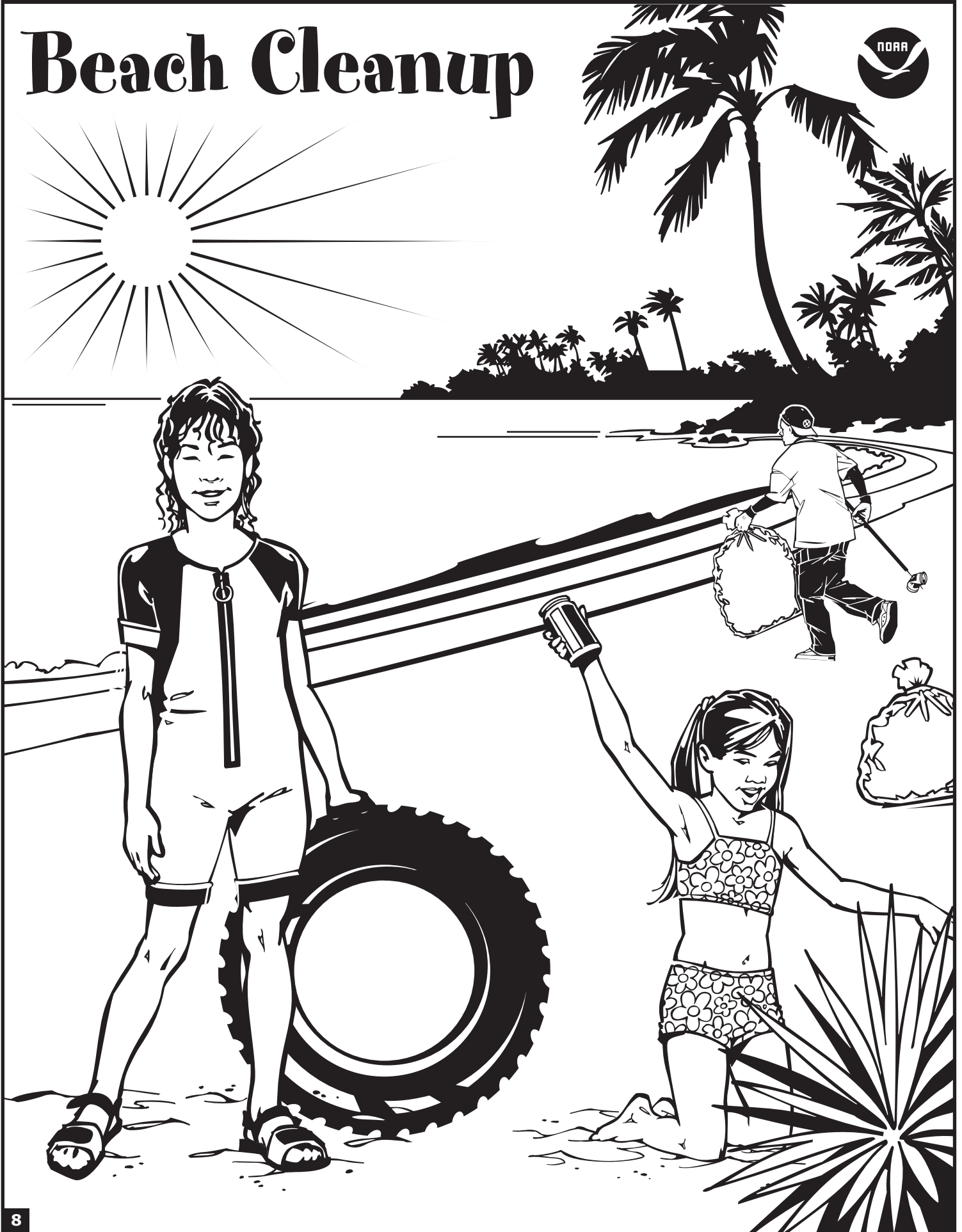
How Can Litter Be Deadly to a Sea Turtle?

Sometimes sea turtles mistake litter in the water as food. Plastic bags look like jellyfish, sea turtles' favorite food. If swallowed, debris can block digestion or remain in the turtle's stomach, causing the turtle to feel "full" and eat less than it needs to survive. Plastic or plastic foam in a turtle's stomach can cause excess buoyancy, decreasing the animal's ability to dive deeper for prey.

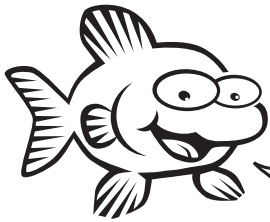


Connect the Dots—Don't Let Your Trash End Up in the Ocean!

Beach Cleanup



How Can I Help?



Beach or coastal cleanups can be found in many communities. During these cleanups, kids and adults work together to collect the trash that has entered their waterways. Cleanups make the environment a cleaner, safer place for people and animals.

Unscramble the words below to reveal how you can help! Answers on page 13.

I F D N

T U O

F I

E H R T E

S I

A

L T A C S O A

L A P U C E N

N I

O Y R U

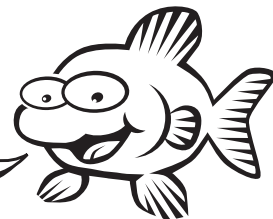
T C I M Y O M N U



Cleaning Up the Beach



This is a game that can be played with two people, but we recommend playing it with a group. The READER asks each person (in turn) to call out a word until the blanks are filled in. Then the READER reads the entire silly story to the group.



Last year, we had a very successful beach cleanup in our community.

_____ helped out along with _____ ,

FEMALE CELEBRITY

MALE PLAYER

_____, and _____ .

FEMALE PLAYER

MALE CELEBRITY

I got the _____ job of picking up all of the _____

ADJECTIVE

NOUN PLURAL

and I found _____ of them. _____ had a

NUMBER

MALE PLAYER

_____ job himself. He wore gloves so that he wouldn't

ADJECTIVE

get any _____ on his _____. We all yelled

TYPE OF GARBAGE

CLOTHING

_____ when _____ found a

EXCLAMATION!

FEMALE PLAYER

_____ stuck in the sand. But the most _____

NOUN

ADJECTIVE

piece of garbage we found was a _____ . By the end of the day,

NOUN

we had found _____ , _____ , and _____

NUMBER

NOUN PLURAL

NUMBER

NOUN PLURAL

NUMBER

_____. The beach was a much cleaner, safer place to play!

NOUN PLURAL

Diver Cleanup

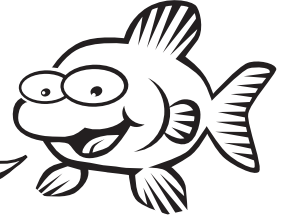


Only a trained and experienced diver should attempt removing marine debris underwater.

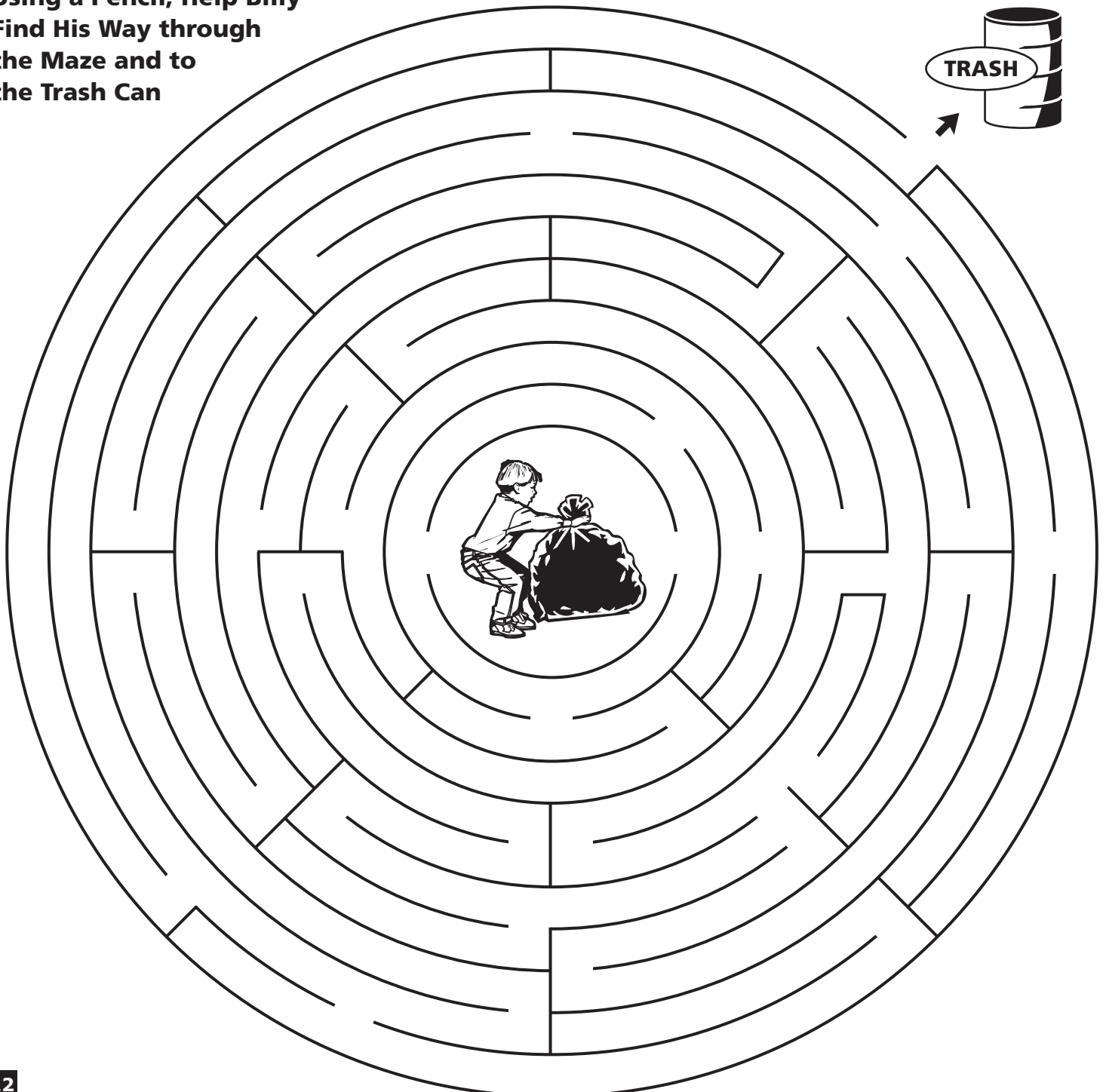
Getting to the Trash Can



Sometimes it takes a couple more steps to get to a trash can where you can properly discard your trash. But these extra steps will make you a good steward of the environment. Always put your trash in a trash can and always look for recycling bins for your glass, plastics, cardboard, metals, and newspaper.



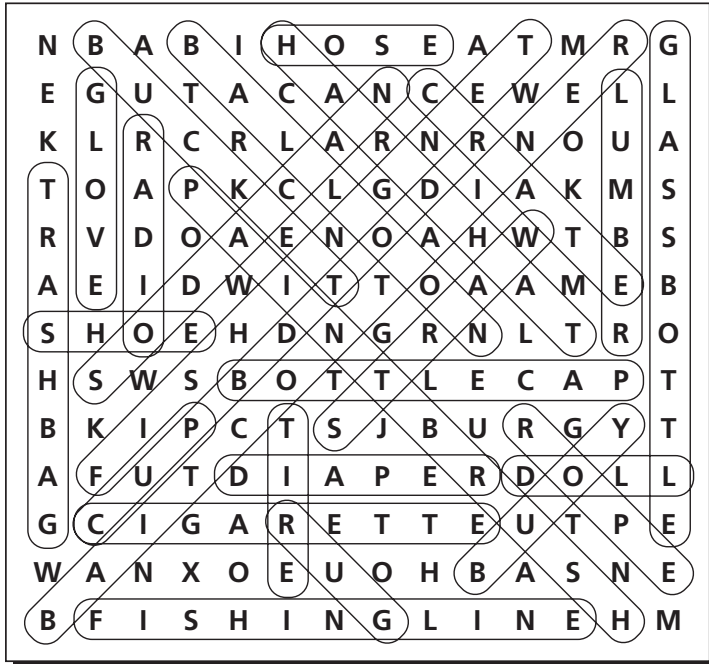
Using a Pencil, Help Billy Find His Way through the Maze and to the Trash Can





ANSWER KEY

Word Find (Page 1)



Identifying the Problem (Page 3)

Wherever you find people, you find a potential source of marine debris. A cruise ship, picnickers, a man washing his car, a fisherman and a beachgoer are ALL potential sources of marine debris.

Secret Code (Page 5)

ALWAYS PUT YOUR TRASH IN A TRASH CAN.

Unscramble the Phrase (Page 9)

FIND OUT IF THERE IS A COASTAL CLEANUP IN YOUR COMMUNITY.

Picture Crossword (Page 2)





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