

UNDERSTANDING MARINE DEBRIS

GAMES & ACTIVITIES FOR KIDS OF ALL AGES

I'm Oscar the ole wife,
here to teach you all about
marine debris!

MARINE
DEBRIS
101



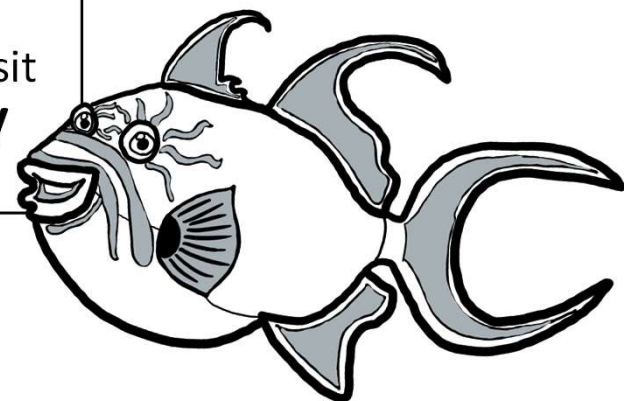
U.S. VIRGIN ISLANDS EDITION



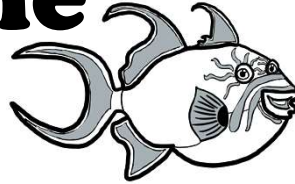


- | | | | |
|---|--|----|--|
| 1 | Identifying the Problem
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<i>What Do We Find?</i> |
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For more great activities, information, and what you can do to prevent marine debris visit <https://marinedebris.noaa.gov/>



What is Marine Debris?

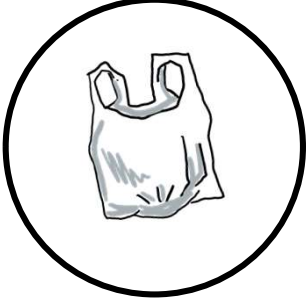


When you have finished, write down what the non-circled pictures have in common. Can you guess what "Marine Debris" is? (Answers on page 10).



Take a look at the pictures below. Circle the items which you believe **ARE NOT** types of marine debris or ocean trash.

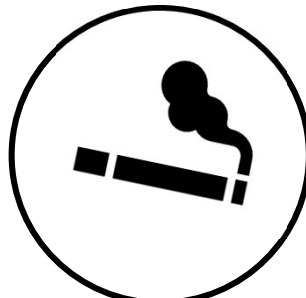
PLASTIC BAG



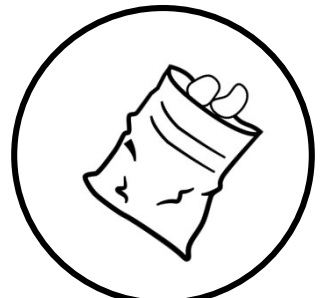
COCONUT



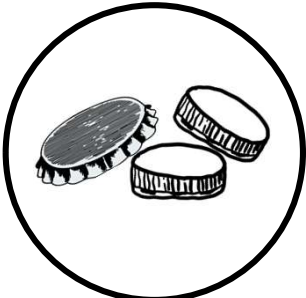
CIGARETTE



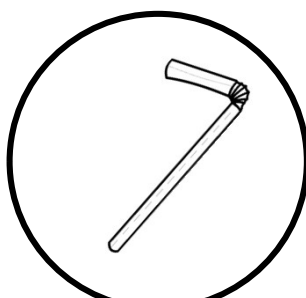
FOOD WRAPPERS



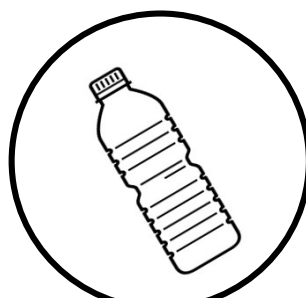
BOTTLE CAPS



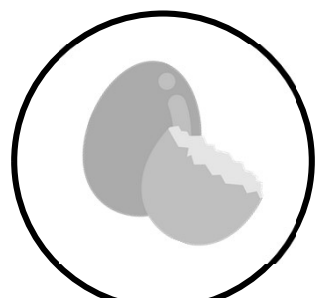
STRAW



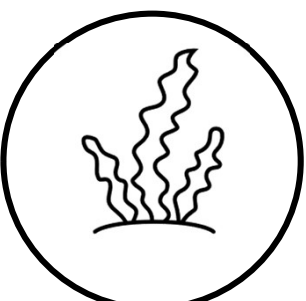
PLASTIC BOTTLE



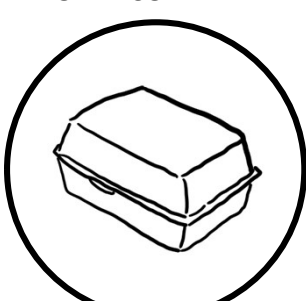
EGG SHELLS



SEAWEED



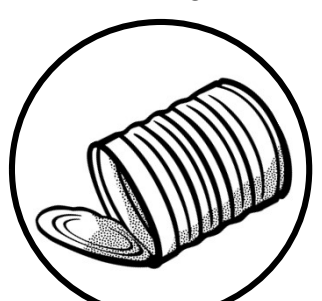
FOAM CONTAINER



CAR TIRE



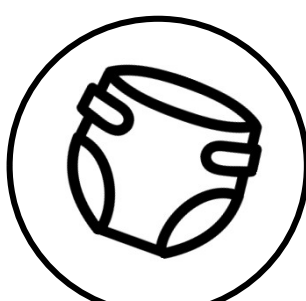
METAL CAN



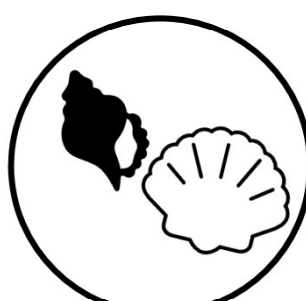
OVEN



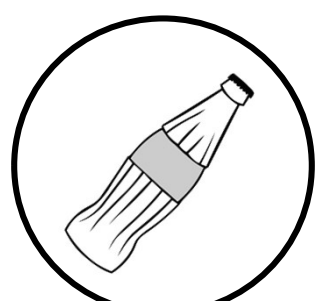
DIAPER



SEASHELLS



GLASS BOTTLE



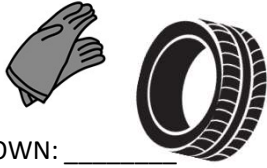
Types of Marine Debris



1 DOWN: BABY _____



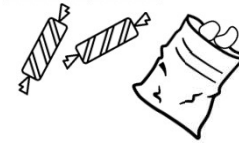
2 DOWN: _____
CAR TIRE OR GLOVES



3 DOWN: _____
HOLDER



4 DOWN: FOOD OR CANDY _____



7 DOWN: _____
CAPS



10 ACROSS: _____
WATER BOTTLE

11 ACROSS: FOAM FOOD _____



12 DOWN: _____
CAN



14 DOWN: _____
PLASTIC BAG

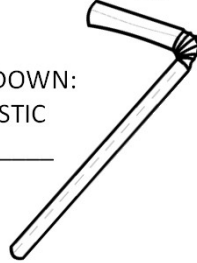


14 ACROSS: _____
BOTTLE

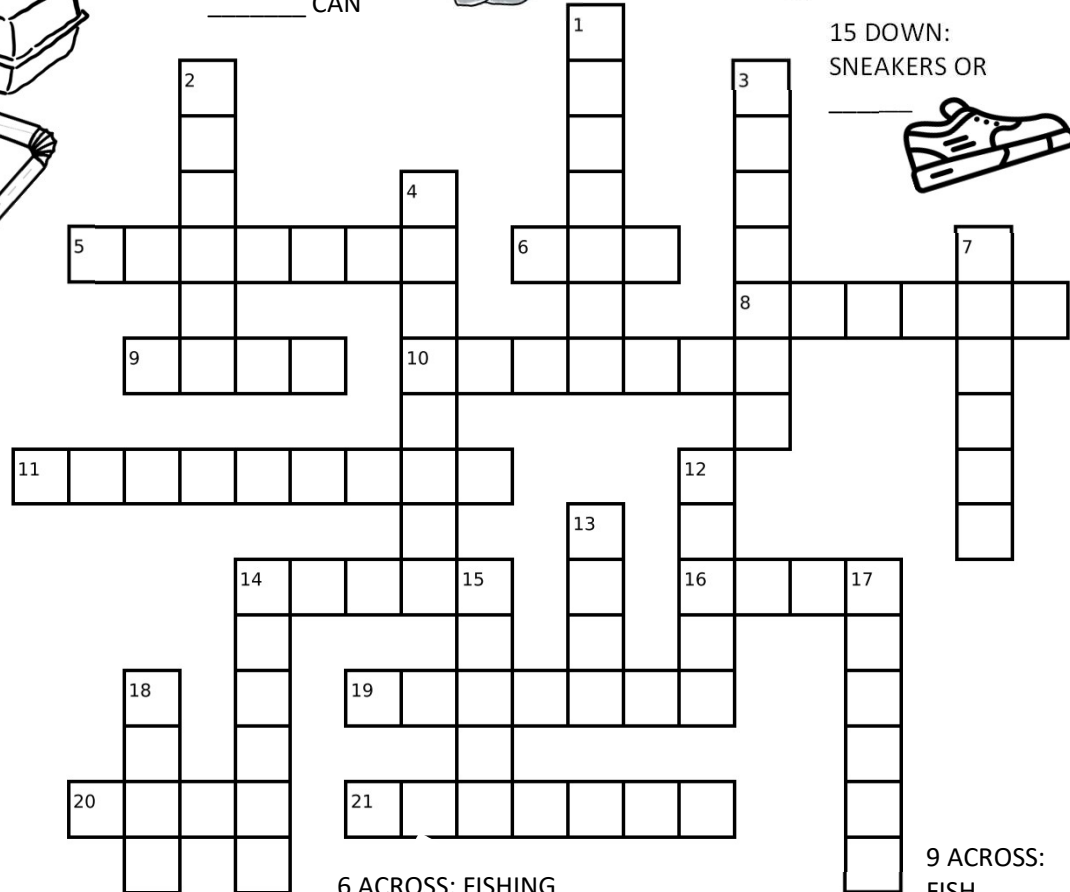
16 ACROSS: CHILDREN'S _____



17 DOWN: _____
PLASTIC



15 DOWN: _____
SNEAKERS OR



MARINE DEBRIS COMES FROM MANY SOURCES

ABOVE:

The litter items at the top of the page come from people on land such as beachgoers, picnickers, and those who improperly dump their trash.

BELOW:

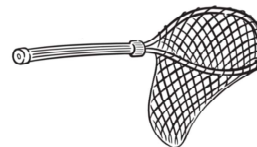
The litter items at the bottom of the page are generated by people at sea such as boaters, fisherman, and passengers on cargo or cruise ships.

(Answers on page 10)

5 ACROSS: _____ TRAP



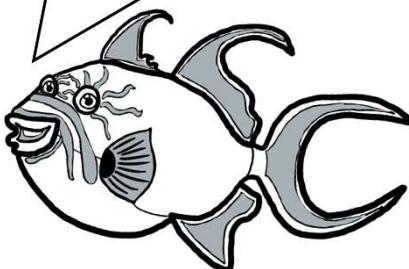
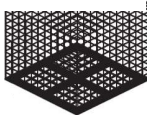
6 ACROSS: FISHING _____



8 ACROSS: _____
BOAT



9 ACROSS: _____
FISH



13 DOWN: _____
FISHING



18 DOWN: _____
FLOAT OR



19 ACROSS: _____
GEAR

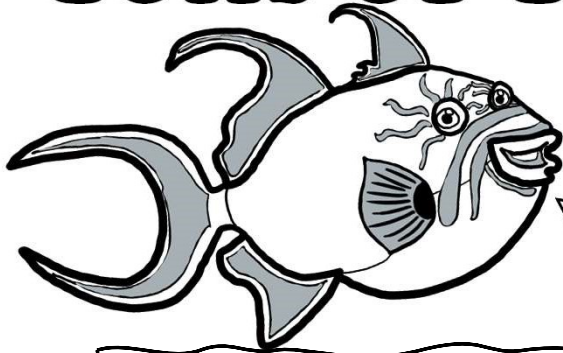


20 ACROSS: _____
KNOTTED

21 ACROSS: _____
LINE



Tons of Trash!



Litter comes from many sources, from boats on the water to beachgoers and fisherman along the shore. Even litter from your house can make it into the ocean if it's not disposed of correctly! Hidden below are just some of the marine debris that litter our oceans. See if you can find them all!

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

These hidden words are found horizontally, vertically, and diagonally. (Answers on page 10).

BALLOON
BUCKET
BUOY
CAR PART
CIGARETTE
CUP

DIAPER
FISHING NET
FISHING LINE
FLOAT
FOAM CONTAINER
FOOD WRAPPER

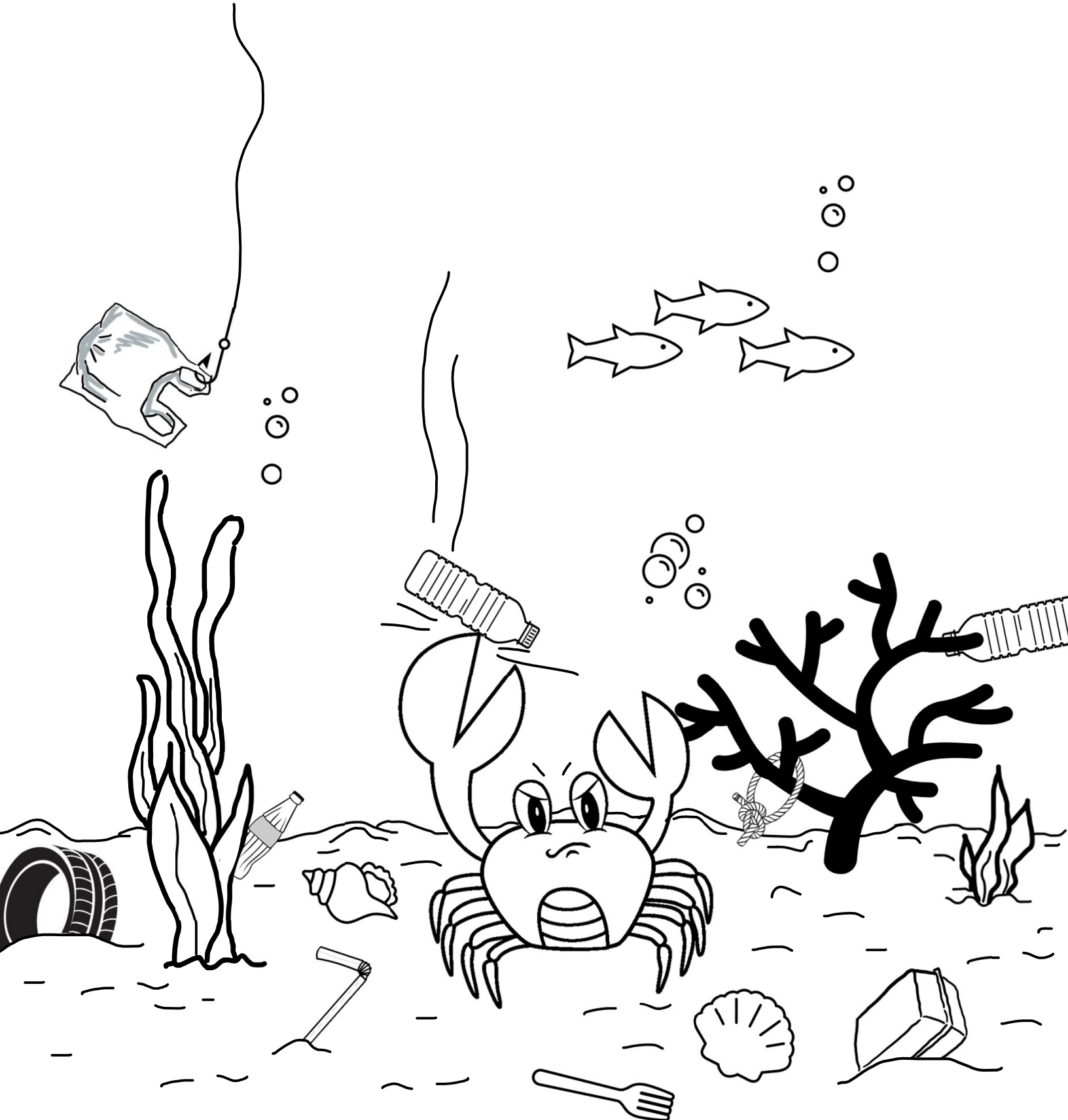
GLASS BOTTLE
GLOVE
LID
LOBSTER TRAP
LUMBER
METAL CAP

PLASTIC BAG
PLASTIC BOTTLE
PLASTIC CAP
PLASTIC PACKAGING
ROPE
SHOE

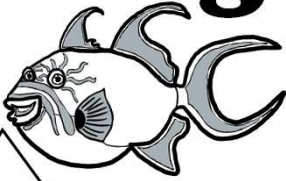
SODA CAN
STRAW
TINY TRASH
TIRE
TOY
UTENSIL

Go Fish!

virgin islands
MARINE ADVISORY
VIMAS
SERVICE



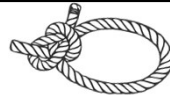
Mangrove Cleanup



5 plastic water bottles



2 foam food containers



3 rope pieces

3 plastic bags



5 plastic straws

(Answers on page 10)

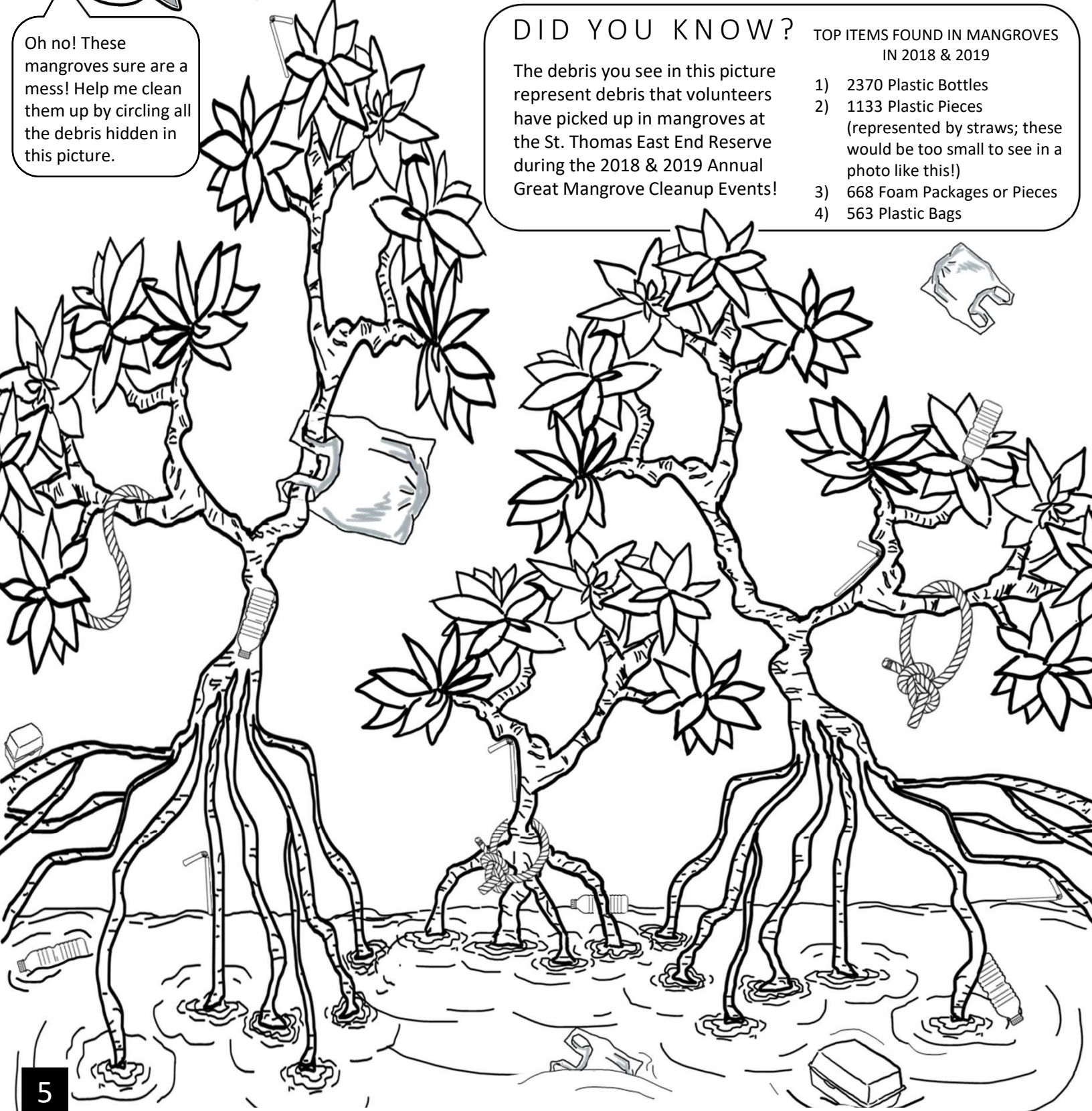
Oh no! These mangroves sure are a mess! Help me clean them up by circling all the debris hidden in this picture.

DID YOU KNOW?

The debris you see in this picture represent debris that volunteers have picked up in mangroves at the St. Thomas East End Reserve during the 2018 & 2019 Annual Great Mangrove Cleanup Events!

TOP ITEMS FOUND IN MANGROVES IN 2018 & 2019

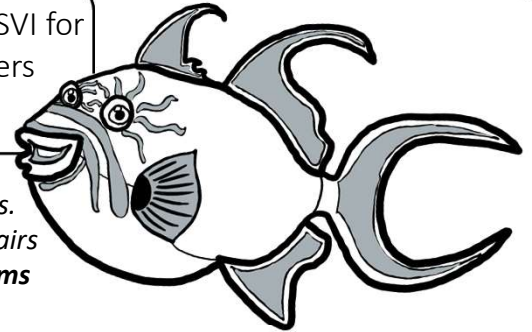
- 1) 2370 Plastic Bottles
- 2) 1133 Plastic Pieces (represented by straws; these would be too small to see in a photo like this!)
- 3) 668 Foam Packages or Pieces
- 4) 563 Plastic Bags



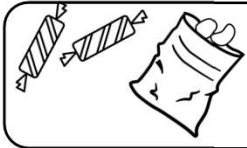
What Do We Find?



Did you know that beach cleanups have been going on in the USVI for more than 30 years? Let's take a look at the things that volunteers find the most when picking up debris on our sandy beaches.




Listed below are the five most commonly found items from past beach cleanups. Match up each debris item with its rank by drawing a line between matching pairs (ex: 1 = item found most often, 5 = item found least often). **HINT: count the items in the picture frame for a clue.** (Answers on page 10).



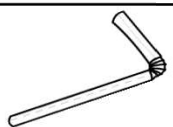
FOOD WRAPPERS

1



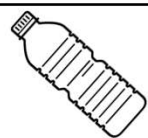
GLASS BOTTLES

2




STRAWS & STIRRERS

3



PLASTIC BOTTLES

4



CAPS/LIDS

5

Beach Cleanup

virgin islands
MARINE ADVISORY
VIMAS
SERVICE



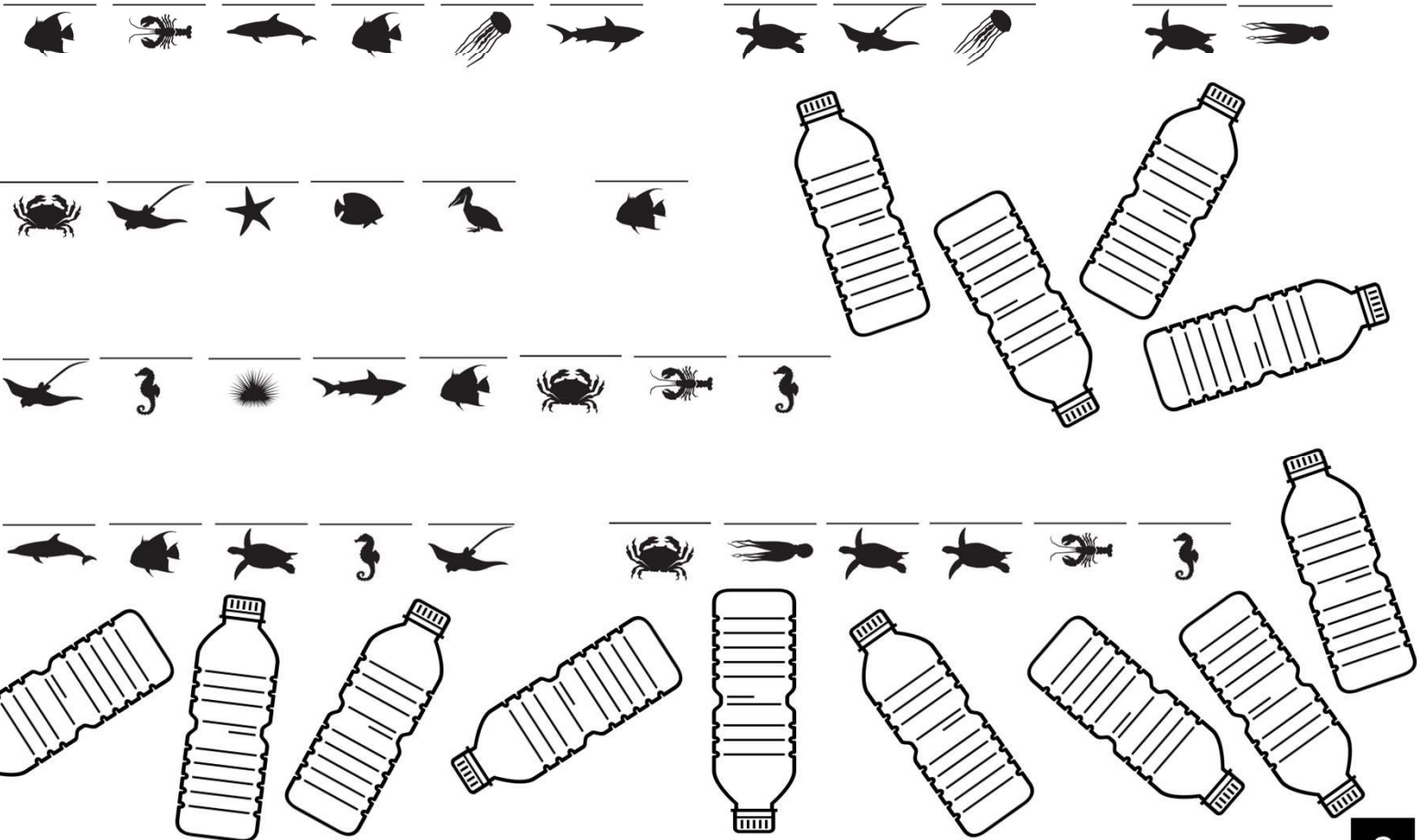
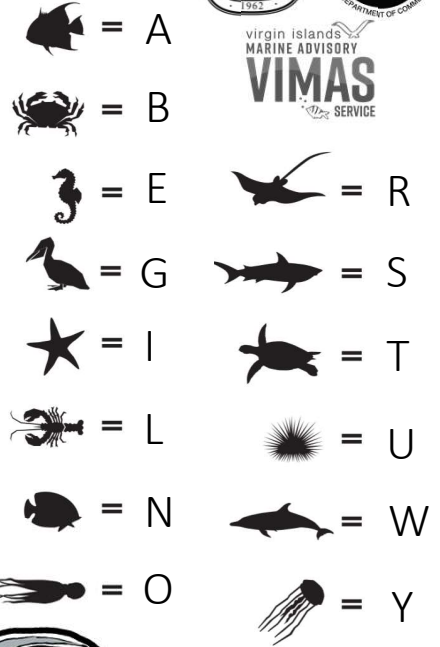
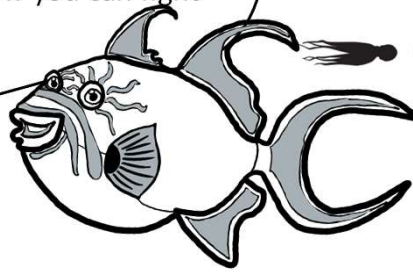
Be a Debris Detective!



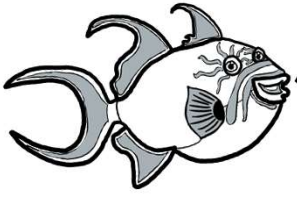
There are four easy things you can do to help fight marine debris. We call them the "Four Rs:"

- 1 Refuse *As much as possible, say "no thanks" to items that are made of or packaged in plastic, and reach for ones that are reusable!*
- 2 Reduce *If you have to use plastic, try to cut back on the amount.*
- 3 Reuse *We have to get creative! Whenever you can, find ways to recycle and reuse your trash with new purposes. When things break, try to repair them before tossing them out.*
- 4 React *If you see debris, clean it up! Remind others to practice these four Rs.*

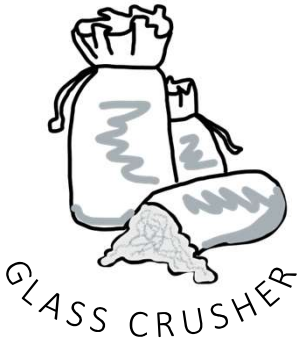
Unlock the secret message below for one example of how you can fight marine debris. (Answer on page 10).



Where Should You Toss It?



Even when we refuse, reduce & reuse, sometimes we still end up with things to throw away. But did you know that not all trash needs to end up in the dumpster? You can dispose of some items in different ways, and by doing so, you can help to send less trash to the landfills, which means, less trash in our ocean! Help me solve the maze below to find out alternate ways to toss you trash.



You can use a glass crusher to break up used glass bottles into sand. The sand can then be used to fill sandbags that your family can use during hurricane season.



The Virgin Islands Marine Advisory Service (VIMAS) has a glass crusher on STT, and plans to expand to STX and STJ. You can contact howard.forbes@live.uvi.edu to learn how you can recycle your glass bottles.

GLASS BOTTLES

FOAM FOOD CONTAINERS

FOOD SCRAPS & CARDBOARD

DUMPSTER

Make sure these items make it to the dumpster.

To cut down on your waste headed to the landfill, you can work with your family to create a compost bin where you can turn your carboard and food scraps into rich soil for your plants.

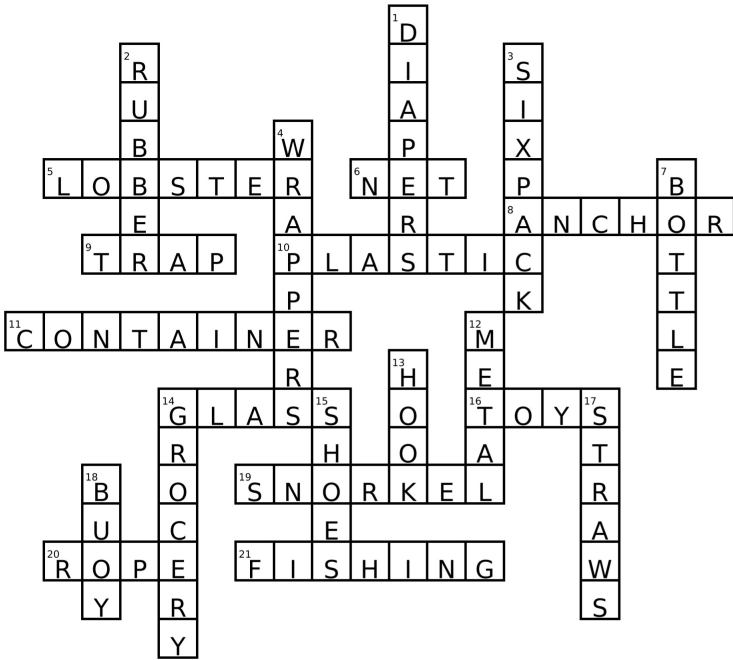




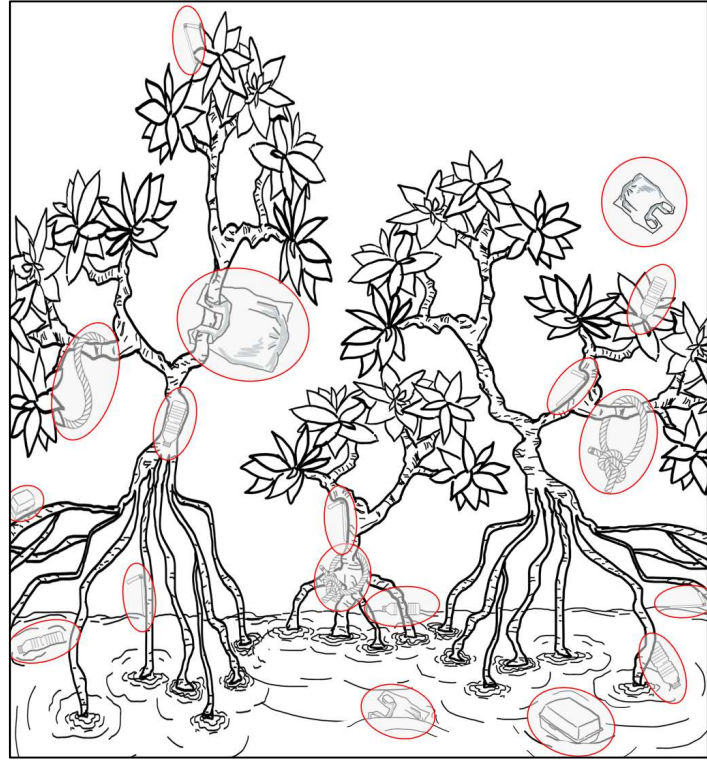
Identifying the Problem (Page 1)

Coconut, Egg Shells, Seaweed, Seashells. All Marine debris items come from people!
 Marine Debris is any solid man-made object discarded, disposed of, or abandoned into the marine environment.

Picture Crossword (Page 2)



I Spy Debris (Page 5)



Debris Match Up (Page 6)

1= Caps/Lids, 2= Glass Bottles, 3= Plastic Bottles, 4= Food Wrappers, 5= Straws & Stirrers

Secret Code (Page 8)

Always try to bring a reusable water bottle.

Word Find (Page 3)

