



North American Marine Environment Protection Association

NAMEPA

Exploring the Marine Environment

Activities & Games for Kids of All Ages





North American Marine Environment Protection Association



“Save Our Seas” is the mission of the North American Marine Environment Protection Association (NAMEPA) which is an independent, marine industry-led entity that engages industry, regulators, environmental groups, educators and the public by promoting sound environmental practices. NAMEPA is a non-profit organization committed to preserving the marine environment through educating seafarers, students and the public about the need and strategies for protecting global ocean resources.

For copies of this material and other educational materials on the marine environment, visit www.namepa.net/education.

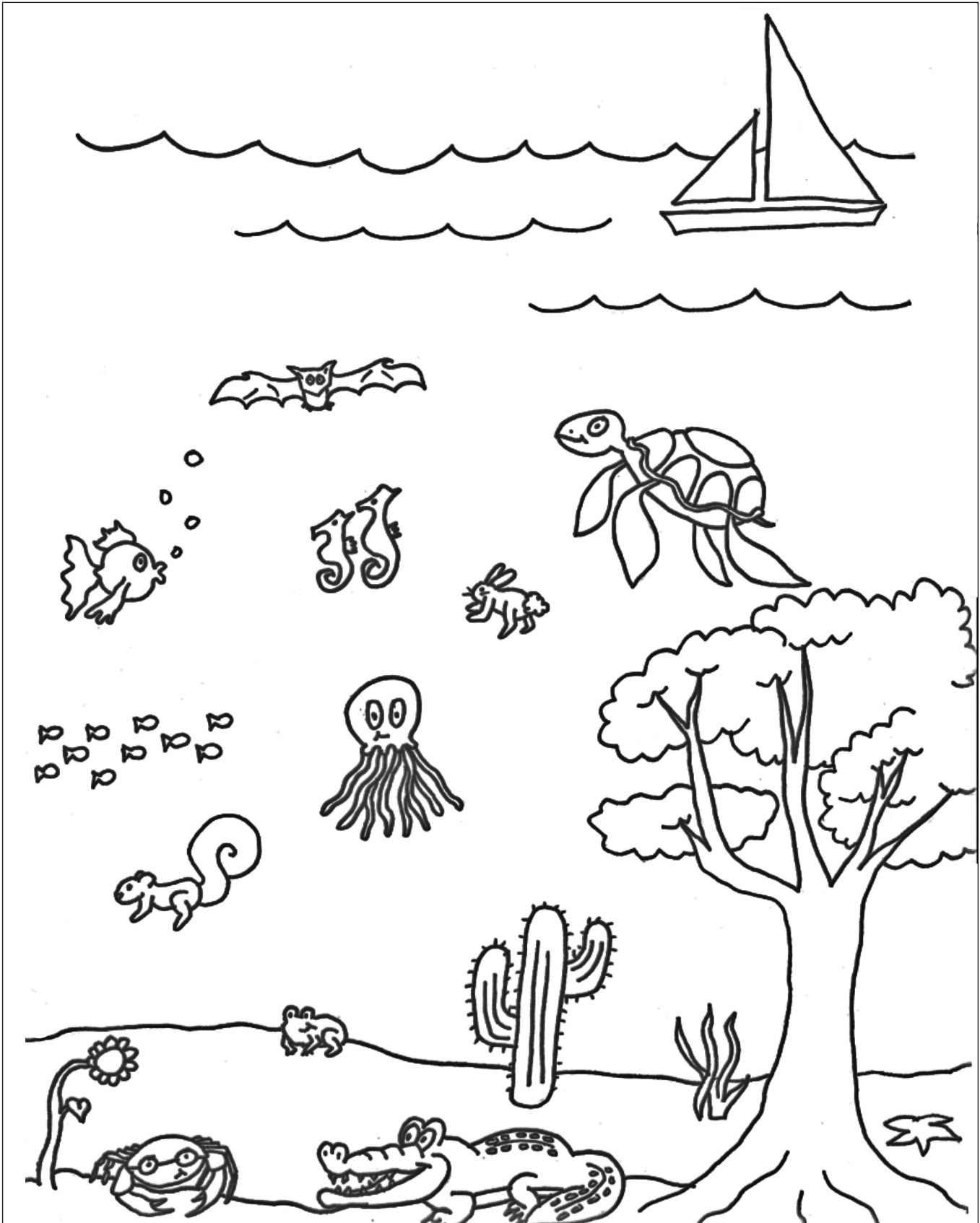
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Cover Painting by Casey Clifford

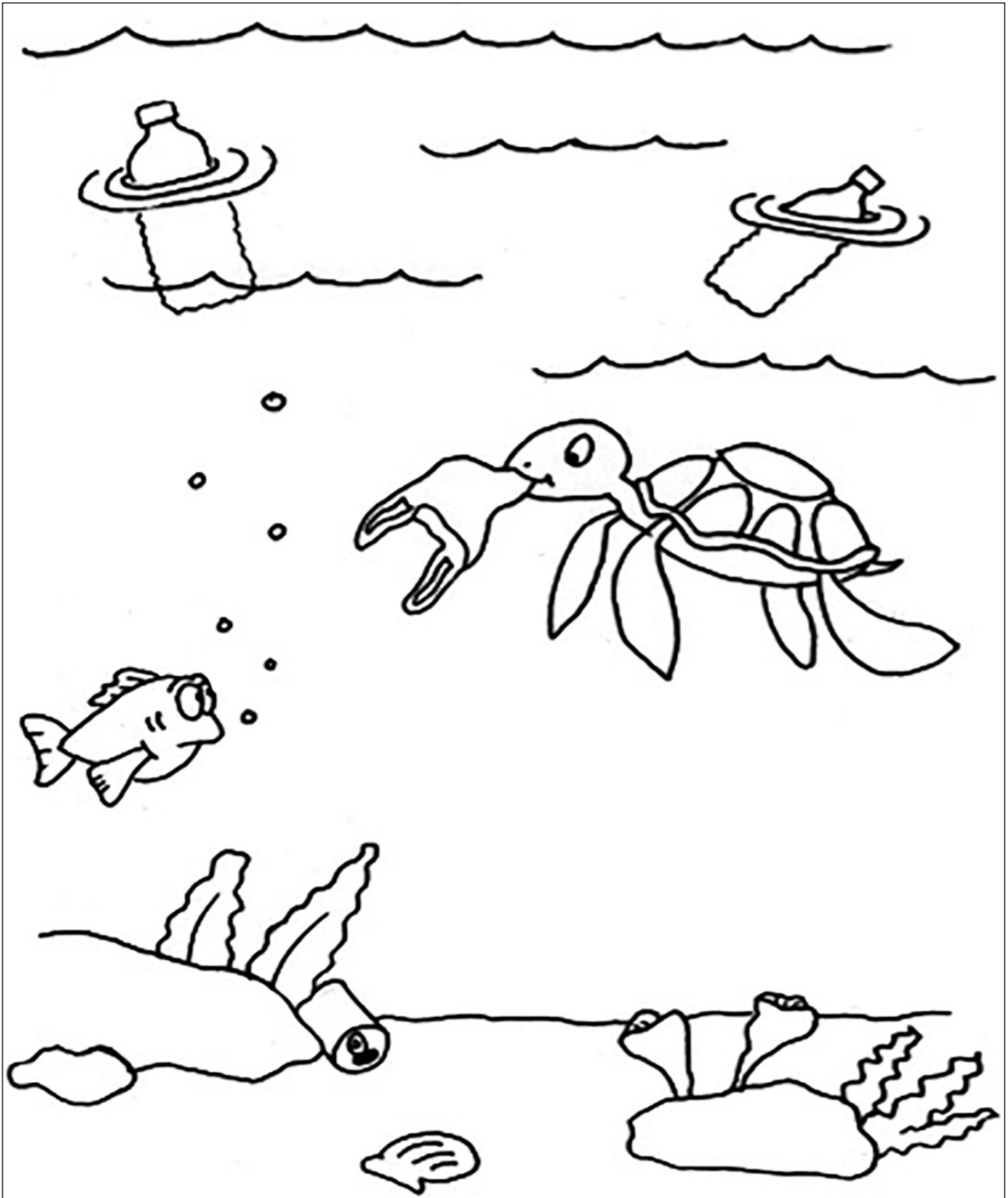


Color the Organisms That Belong!



Sea Turtles

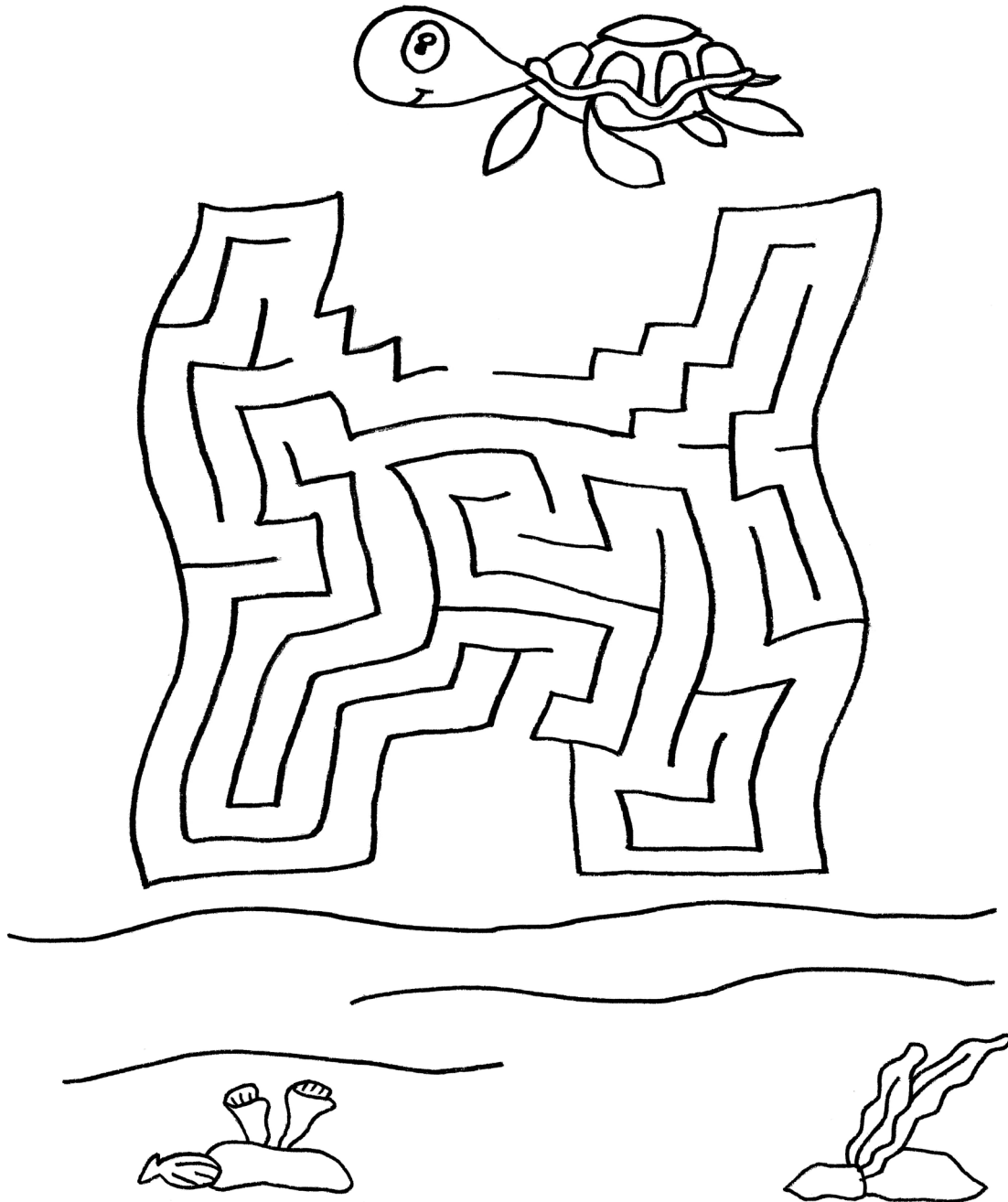
Put an "X" on the things that don't belong



Did You Know?

All seven species of sea turtles are endangered, which means their populations are very low. Sea turtles are known to mistake plastic bags for jellyfish, since jellyfish float in the water much like a plastic bag. After a turtle eats a plastic bag, it sits in their stomach and cannot be broken down. Afterwards, the sea turtle no longer feels hungry and it won't eat the food it needs. Do your part by reducing your use of plastic bags!

Help the Baby Sea Turtle Find His Way to the Ocean

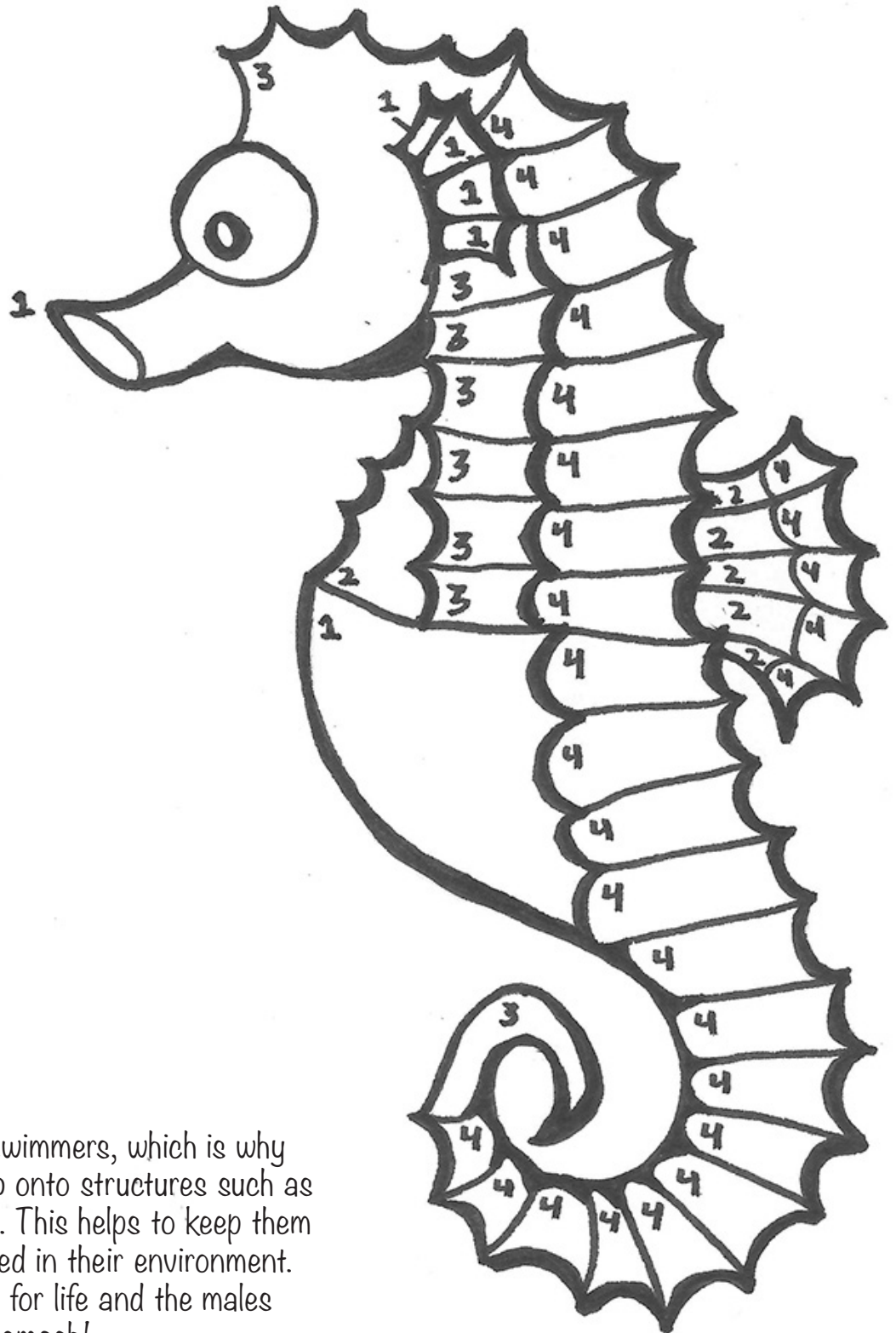


Did You Know?

Most female sea turtles will lay eggs on the same beach they were born on. After traveling thousands of miles, they can still find their way back! Once hatched on the sand, baby sea turtles use the moonlight to find their way to the ocean. Many coastal areas encourage beachfront homes to keep their lights off at night during nesting season so the baby turtles don't get confused!"

Color by Number

Seahorse



Colors:

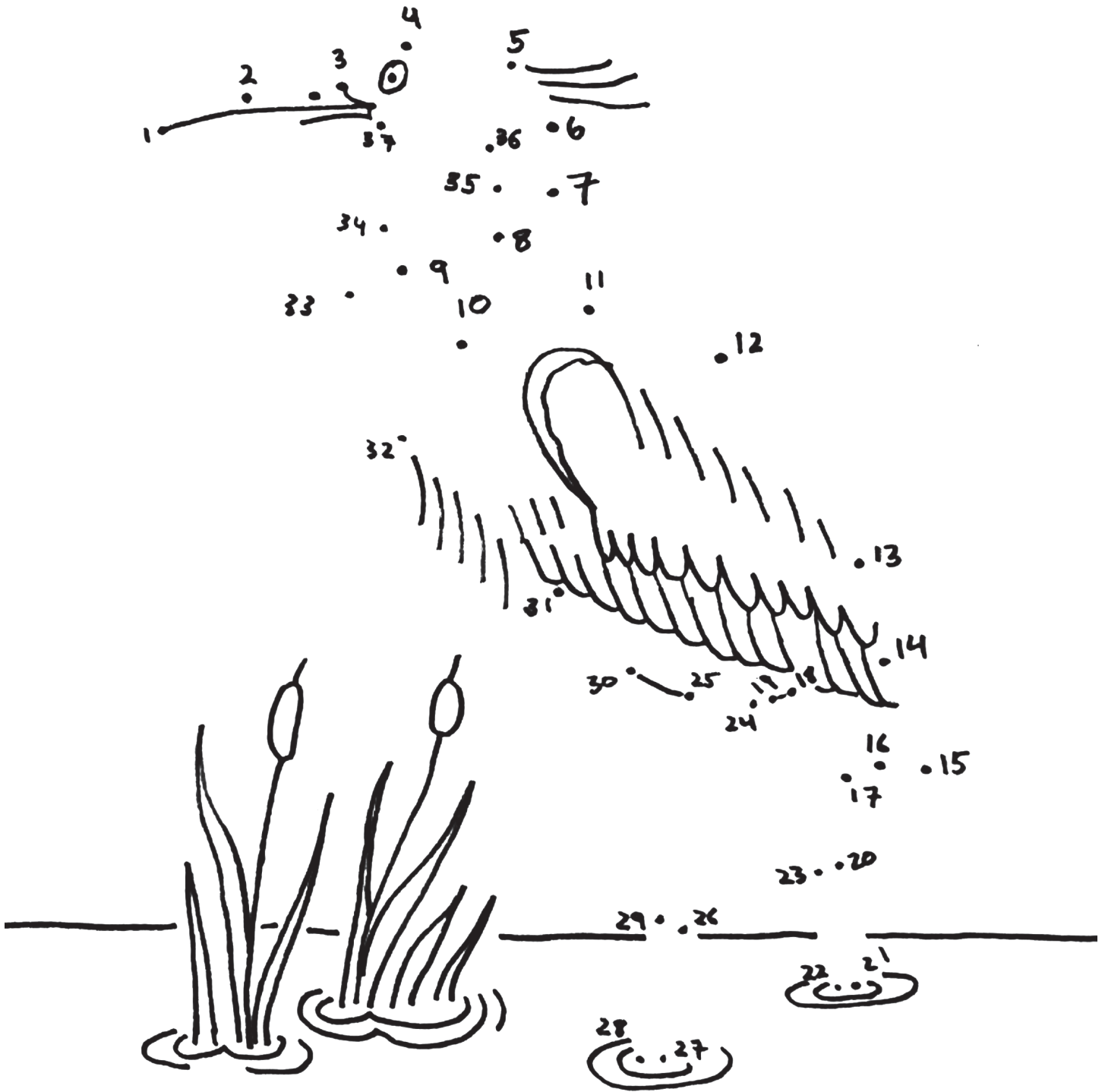
- 1- Light green
- 2- Dark Green
- 3- Light Blue
- 4- Dark Blue

Did You Know?

Seahorses aren't great swimmers, which is why they use their tail to grab onto structures such as coral, seagrass, and kelp. This helps to keep them camouflaged and protected in their environment. Also, these animals mate for life and the males carry the babies in his stomach!

Connect the Dots

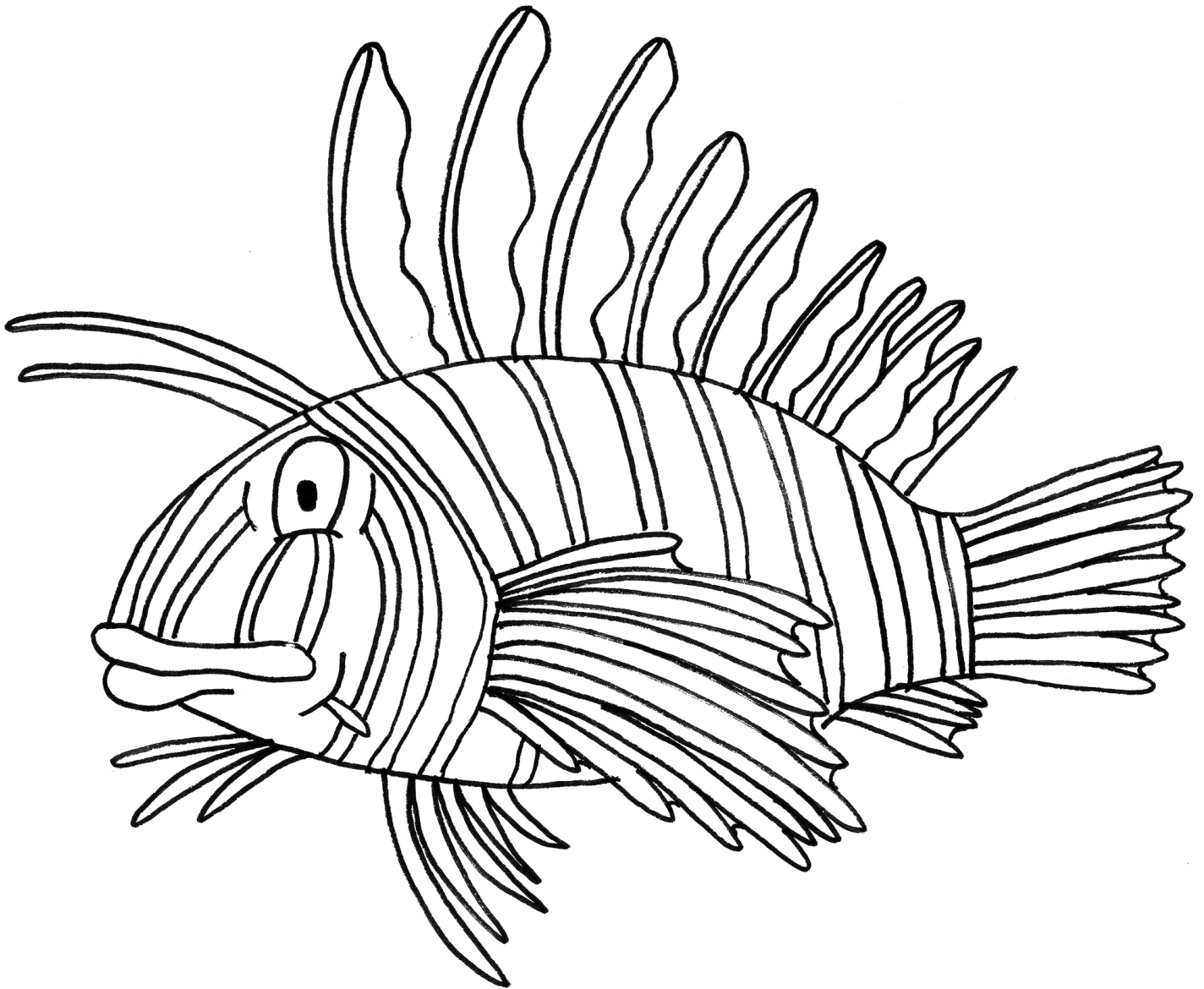
Great Blue Heron



Did You Know?

The Great Blue Heron is an expert fisher and is typically seen along coastlines, in marshes, or near the shores of ponds or streams.

Color the Lionfish

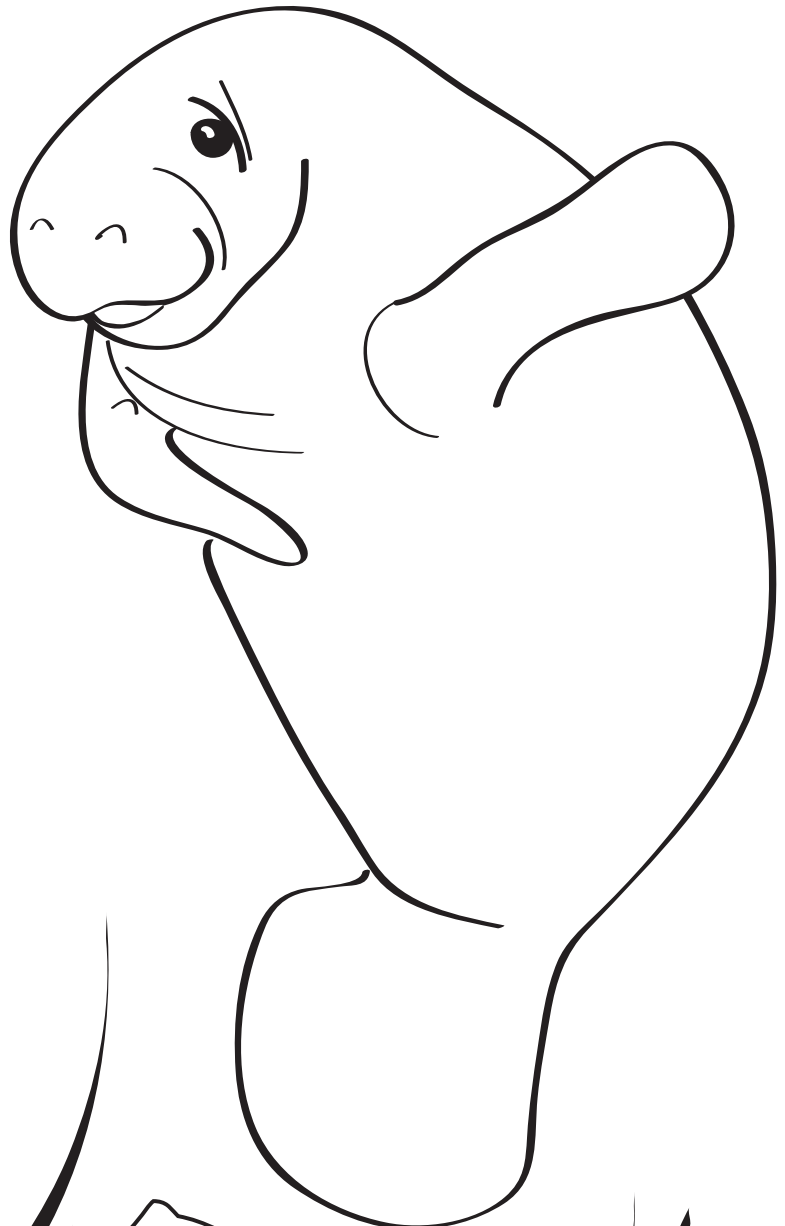


Did You Know?

Lionfish deliver venom through their needle-like dorsal fins. If you see one of these beautiful creatures swimming, don't touch!

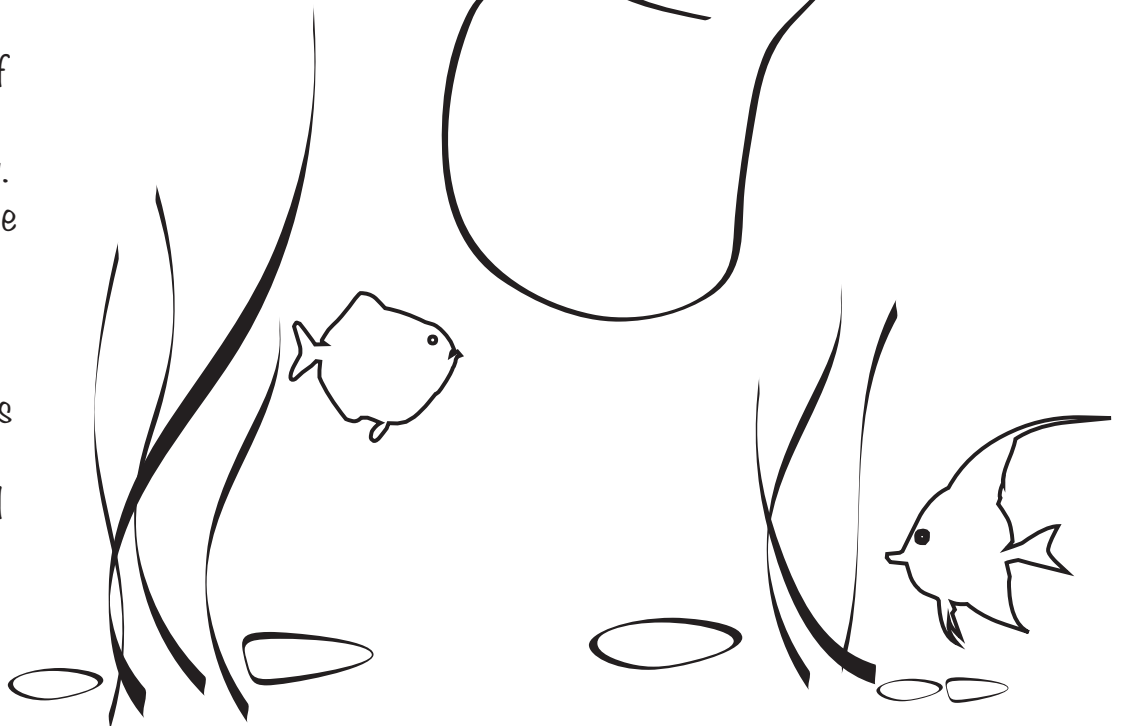
Invasive species alert! This animal was transported to the East coast of the U.S and the Caribbean, and is now taking over those habitats since it has no natural predators.

Color the West Indian Manatee



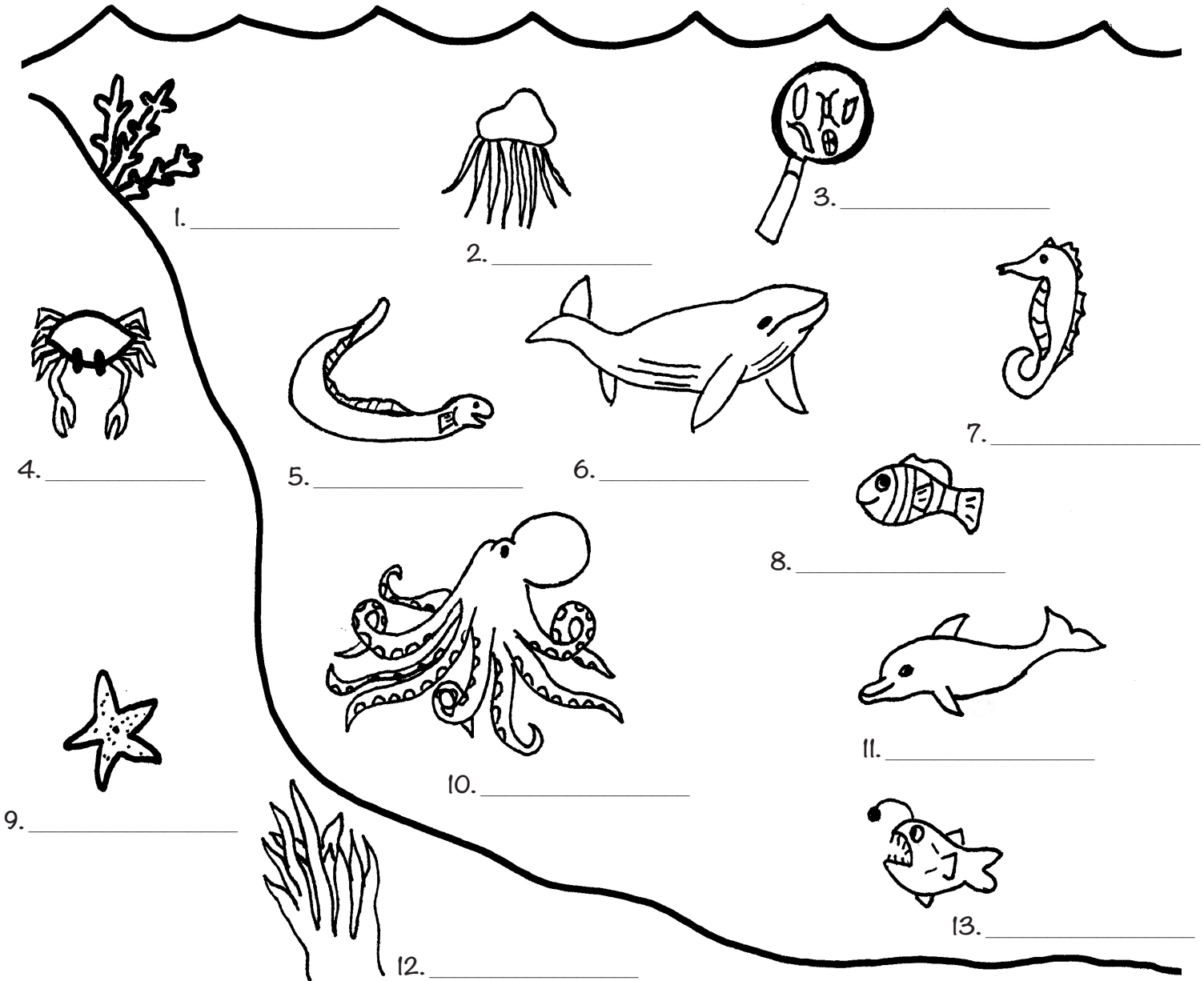
Did You Know?

Manatees are often called "sea cows!" They are slow-moving, large animals that can consume 10-15% of their body weight in vegetation each day. It is believed that the legend of mermaids came from sailors seeing manatees in the water. Manatees are threatened, so conservation is vital to their survival."



What Ocean Organism Am I?

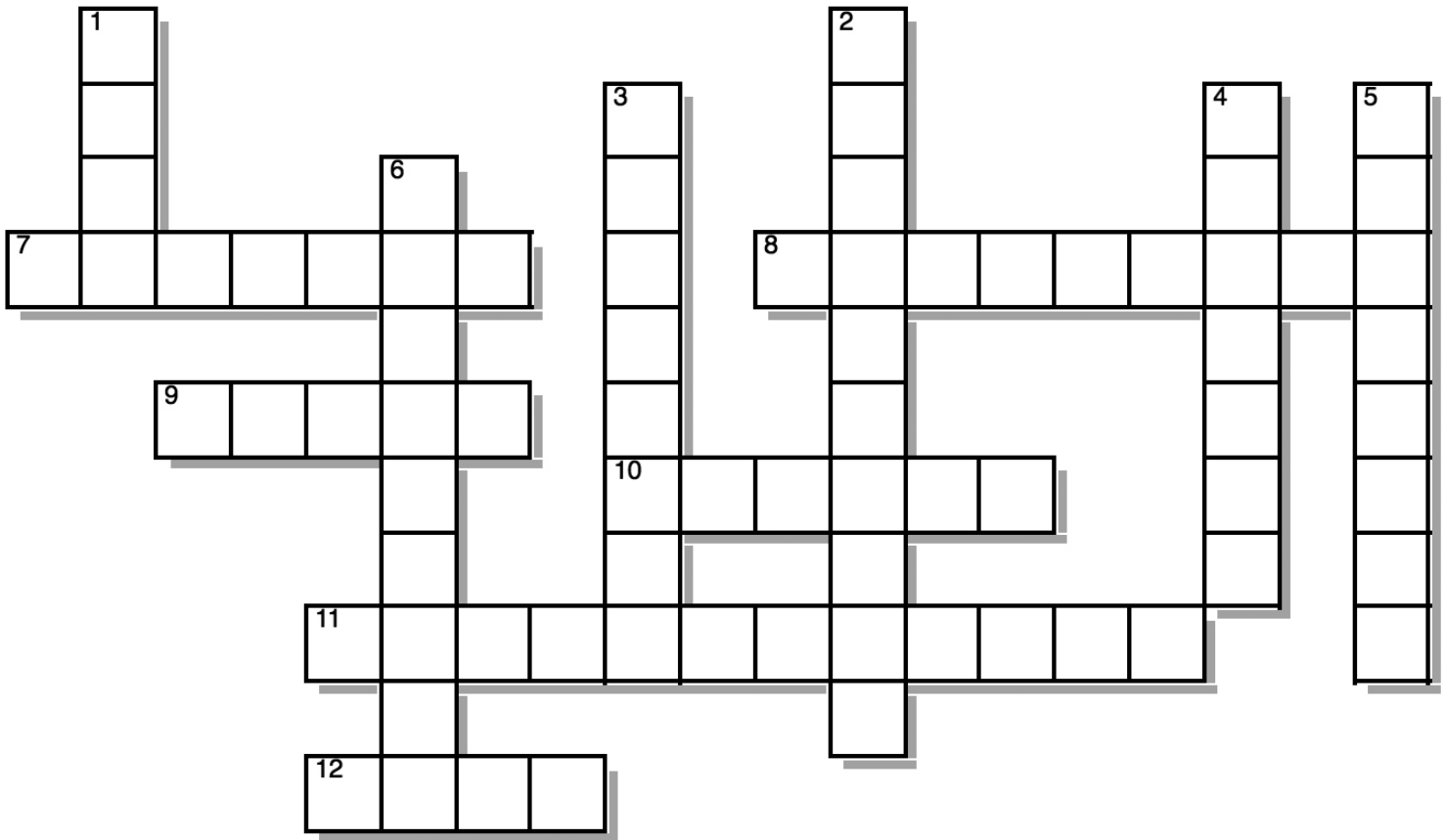
Can you correctly identify these ocean organisms?



Did You Know? The ocean contains 99% of the living space on the planet, and supports nearly half of all species on Earth!

Anglerfish	Eel	Seahorse
Clownfish	Jellyfish	Starfish
Coral	Octopus	Whale
Crab	Plankton	
Dolphin	Seaweed	

Marine Environment Crossword Puzzle



ACROSS

- 7 The third "R:" Reduce, reuse, _____.
- 8 Small creatures that attach themselves to hard surfaces, including rocks and boats.
- 9 The majority of the earth's surface is covered with this.
- 10 A marine reptile that has a hard shell and four legs.
- 11 Trash that ends up in the ocean.
- 12 Large seaweed that grows in shallow oceans.

DOWN

- 1 The daily rise and fall of the ocean due to gravity.
- 2 The most commonly found trash item during beach cleanups.
- 3 Microscopic organisms that many animals feed on.
- 4 An intelligent and playful marine mammal.
- 5 Marine _____ are areas of the ocean that are protected from fishing or development.
- 6 The largest animal that has ever lived (it's a marine mammal!)

Marine Environment Word Search



ENVIRONMENT
MANATEE
POND

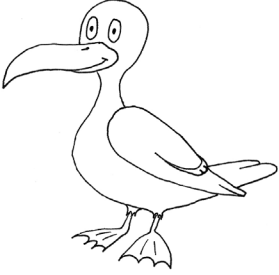
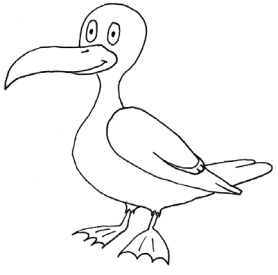
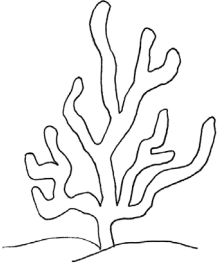
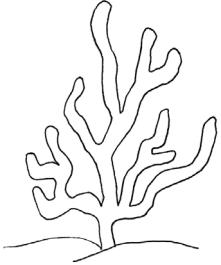
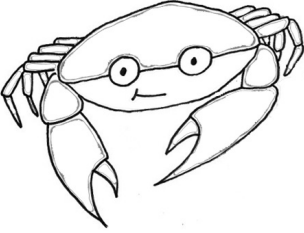
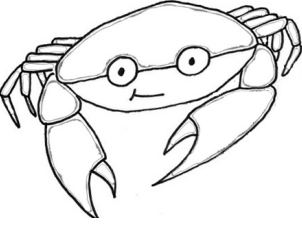


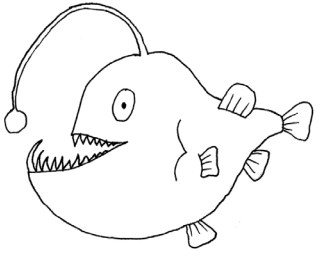
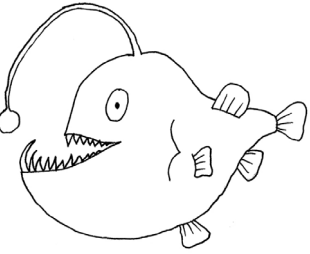
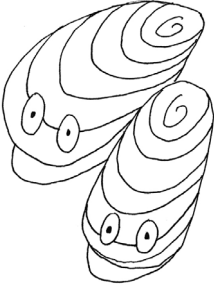
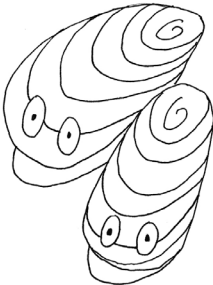
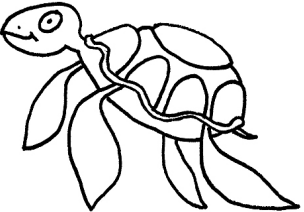
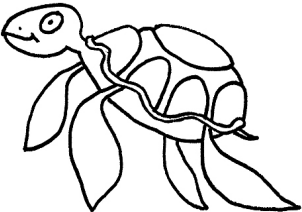
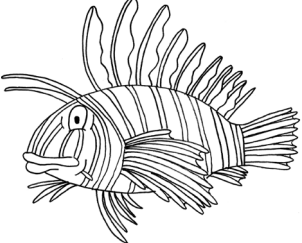
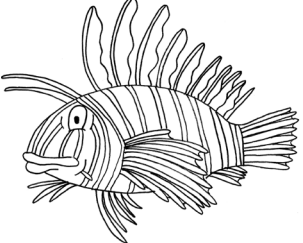
TURTLE
FISH
OCEAN

SHARK
WAVE
LAKE

OCTOPUS
SUSTAINABLE

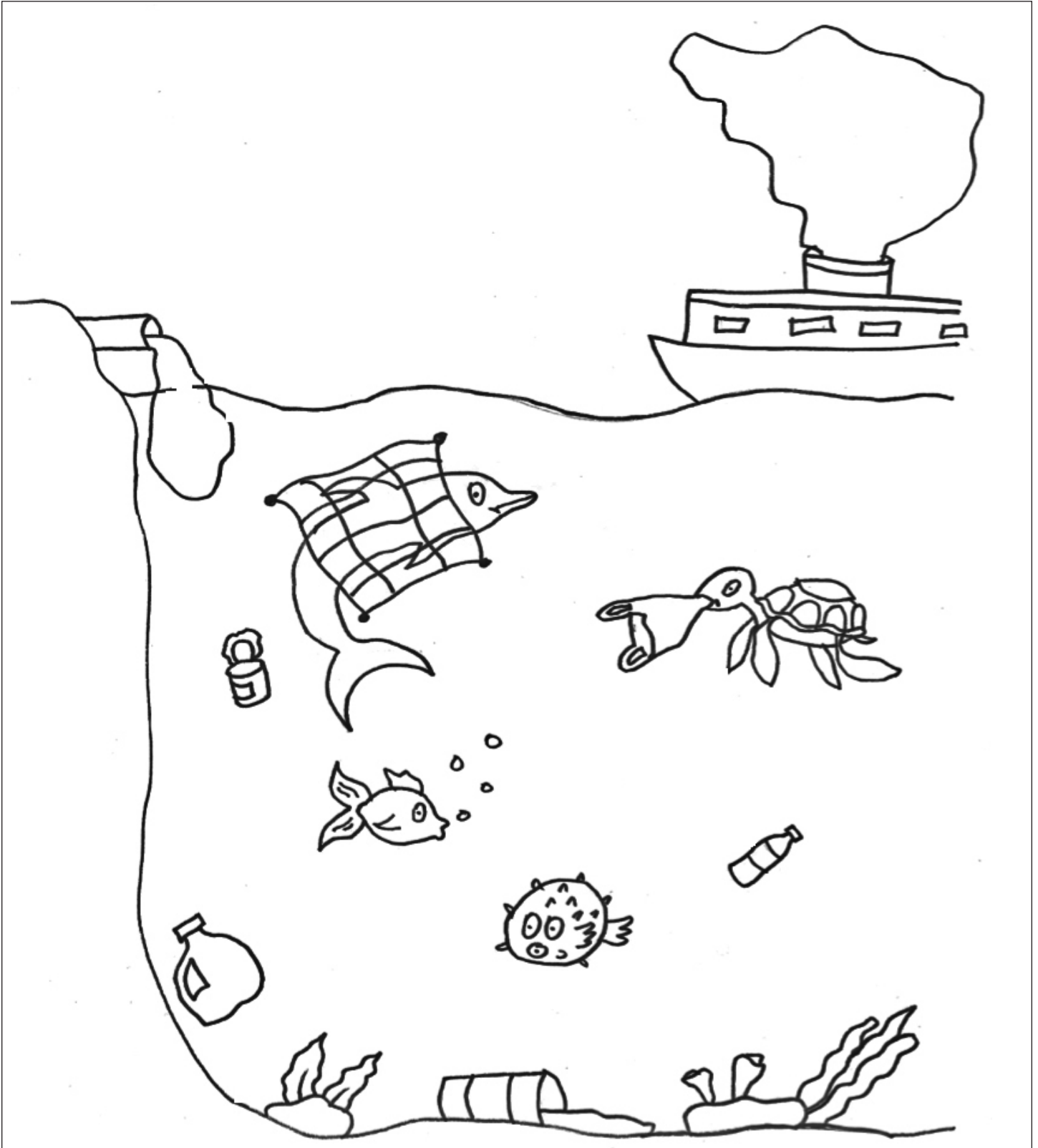
Marine Matching Game

Color and cut out the cards, flip them over and shuffle, then flip over two cards at a time to try to get a match!

<p>Seagull</p> 	<p>Seagull</p> 	<p>Coral</p> 	<p>Coral</p> 
<p>Crab</p> 	<p>Crab</p> 	<p>Whale</p> 	<p>Whale</p> 
<p>Angler Fish</p> 	<p>Angler Fish</p> 	<p>Mussels</p> 	<p>Mussels</p> 
<p>Turtle</p> 	<p>Turtle</p> 	<p>Lionfish</p> 	<p>Lionfish</p> 

What's Wrong With This Picture?

The ocean is home to many unique animals, plants, ships, islands, and more.
Circle the litter that doesn't belong."



Top 10 Marine Debris Items

Cut out and arrange the top 10 debris items found during cleanups from most to least prevalent.



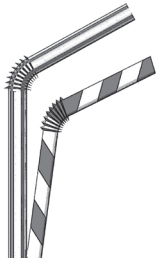
Soda Cans



Food Wrappers



Cups, Plates, Utensils



Straws



Plastic Bottle



Plastic Bag



Paper Bags



Caps, Lids



Cigarettes



Glass Bottle

Did you know? That 80% of marine debris comes from land? Trash can travel to the water after rain storms or by the wind!

How Long Does It Take?

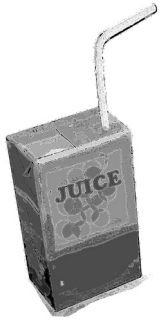
Marine debris can take a long time to break down in the water. Draw a line to match the debris item with the time it takes to decompose.



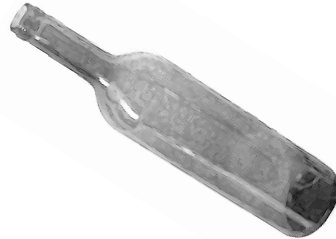
Cigarette



Plastic Bag



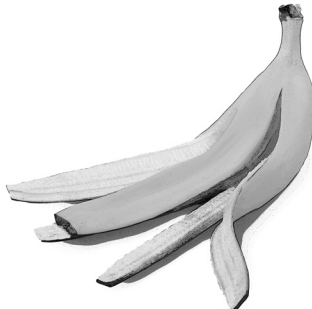
Plastic Coated Paper



Glass Bottle



Soda Can



Banana Peel



Wool Sock



Plastic Bottle

a. 10 to 20 years

b. 450 years

c. 2 to 5 weeks

d. 1 to 5 years

e. 3 months

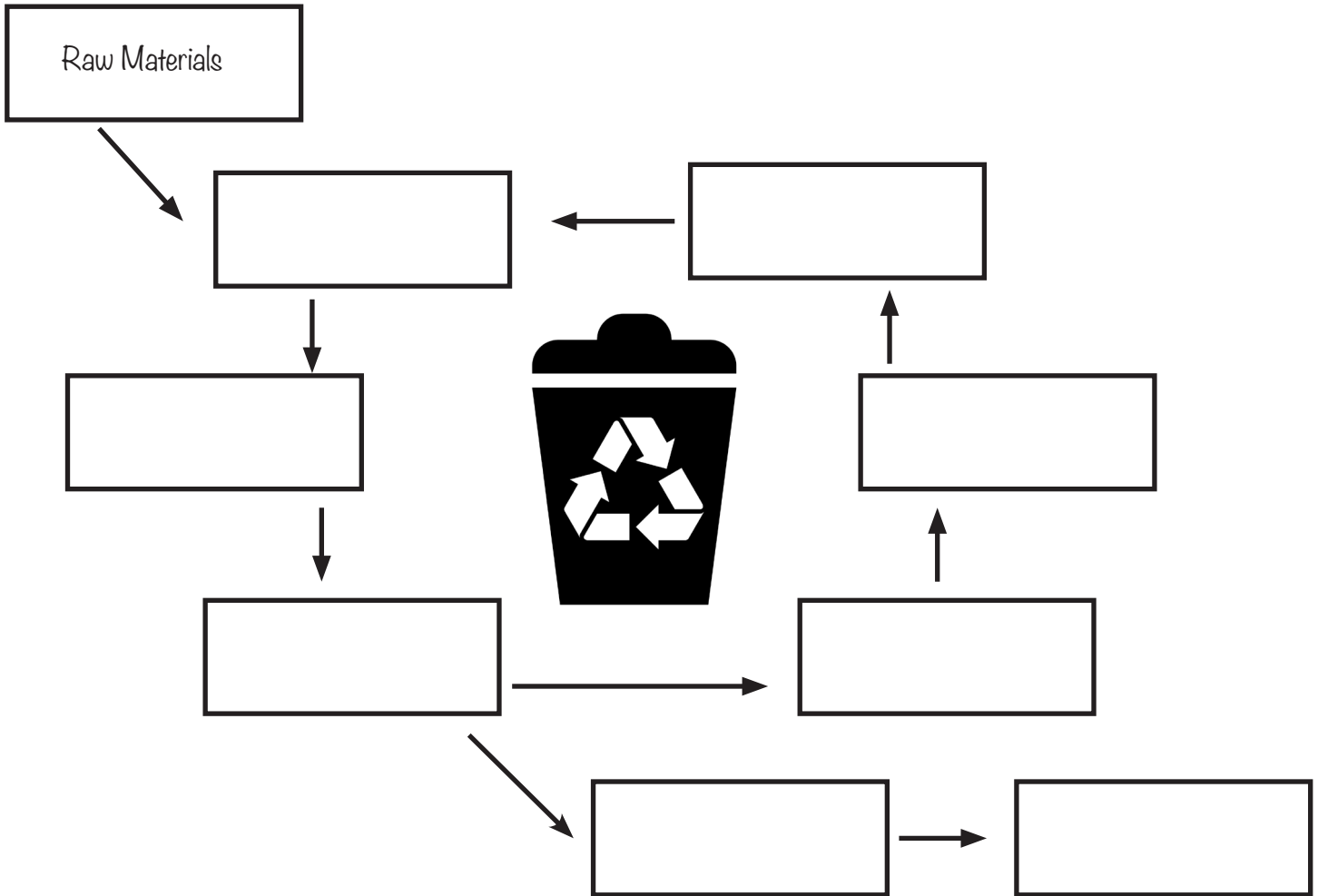
f. 50 years

g. 1,000 years

h. 1 to 5 years

The Life Cycle of Trash

Fill in the boxes to illustrate the correct path your trash takes as it is being recycled or sent to landfill.
The first step is done for you.

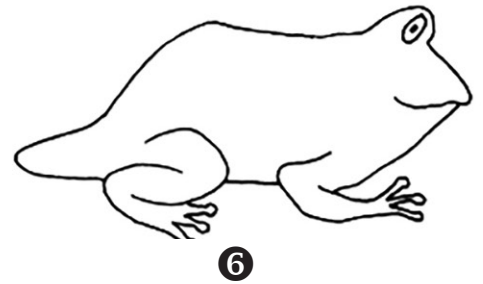
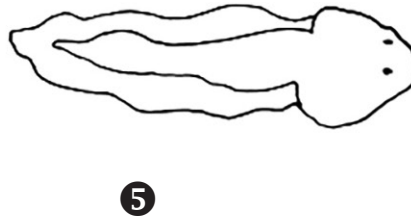
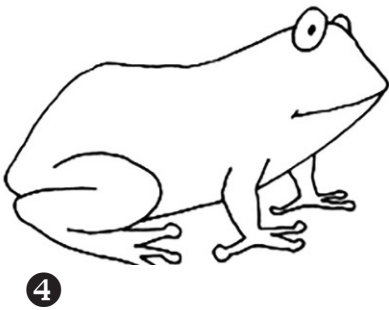
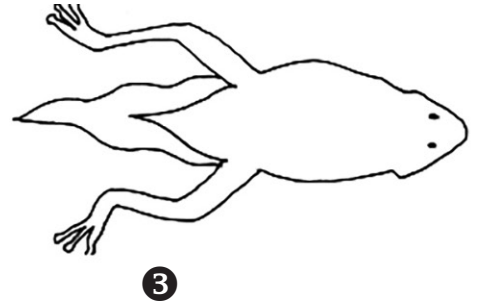
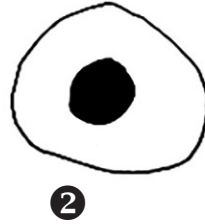
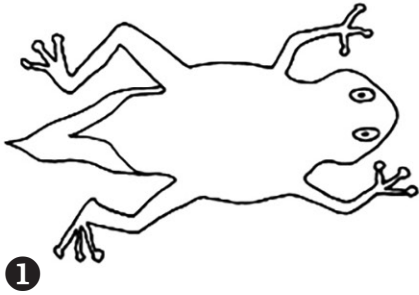


Bin
Raw Materials
Recycling bin
Home
Landfill

Factory
Shop
Recycling Center
Recycled Material

A Frog's Life Cycle

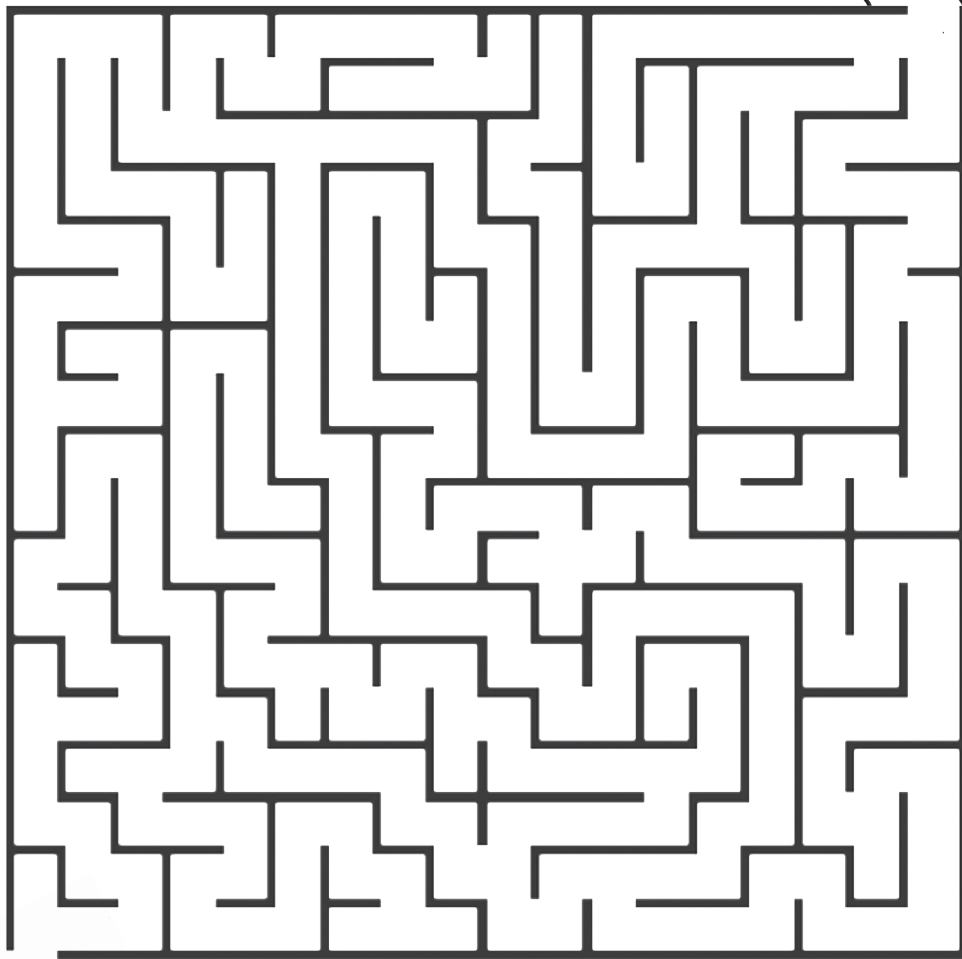
Using the images below, draw the correct order of a frog's life cycle.



1	2	3
4	5	6

Frogs are mostly freshwater animals, but there are some species of frogs that can tolerate salt water and have adapted to thrive in coastal environments.

Help the Beaver Find His Way to the River so He Can Build His Dam!

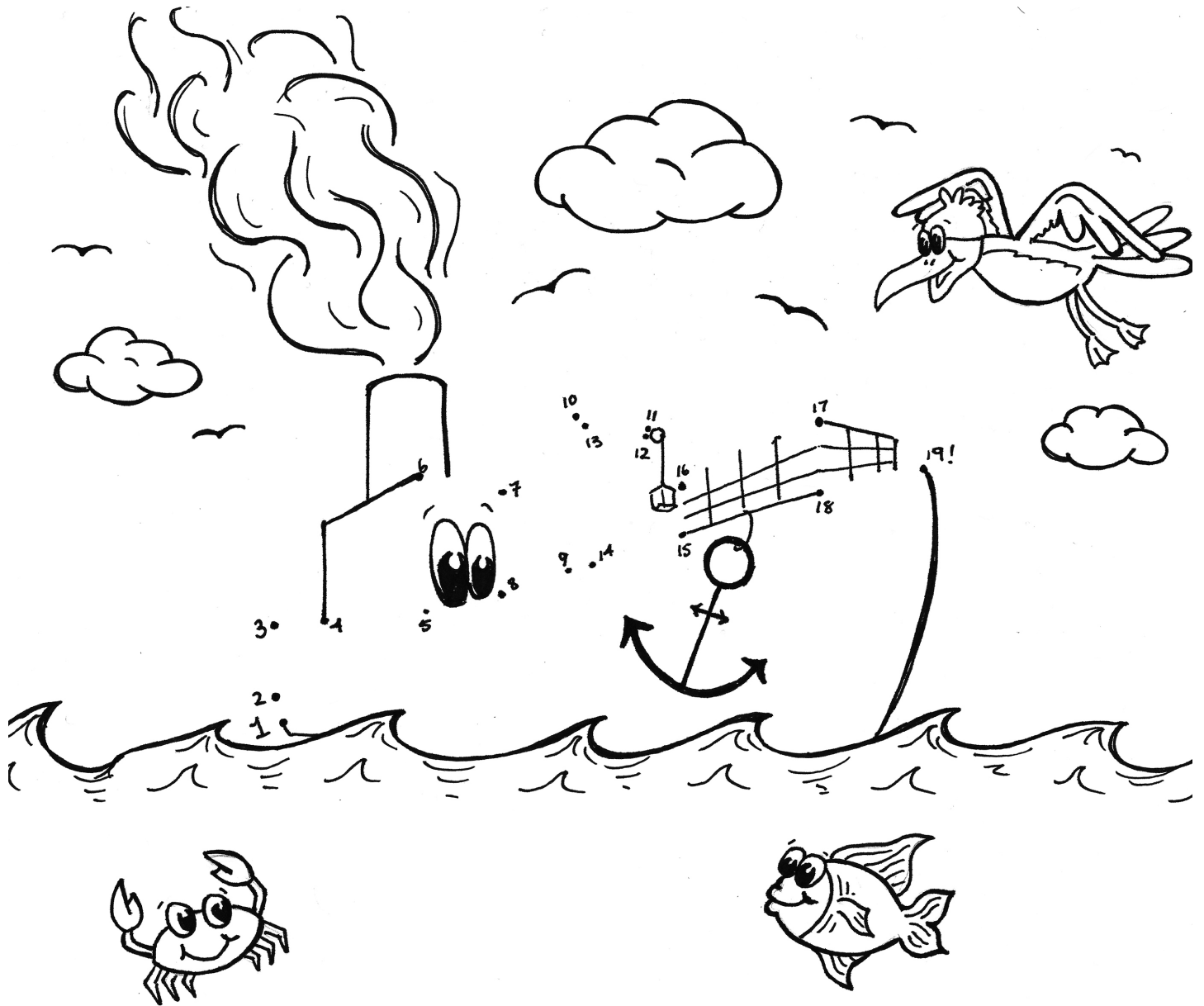


Did You Know?

Beavers only eat wood, and build dams and lodges with wood. They are mostly freshwater, but sometimes their homes do mix with salt water. Beavers don't live in dams, they live in beaver lodges!

Connect the Dots and Color in the Cargo Ship!

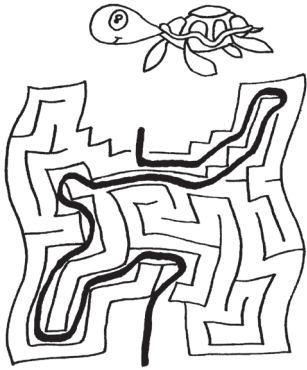
Did you know that 90% of the world's goods travel by ships? The shipping industry is vital in modern day life for humans, but it relies on the health of the ocean to keep afloat!



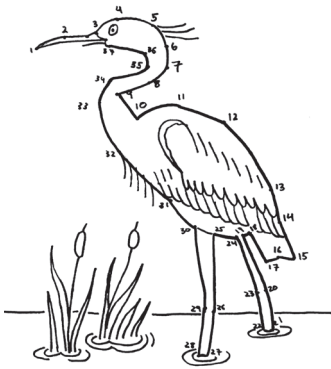
Answer Page

PAGE 3 — THINGS THAT DONT BELONG:
 PLASTIC BOTTLES, PLASTIC BAG,
 SODA CAN

PAGE 4 — HELP THE BABY TURTLE



PAGE 6 — CONNECT THE DOTS

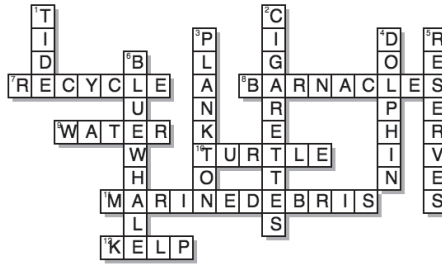


PAGE 7 — ORGANISMS THAT DO NOT BELONG:
 BAT, RABBIT, SQUIRREL, CACTUS,
 TREE, FROG, FLOWER, ALLIGATOR

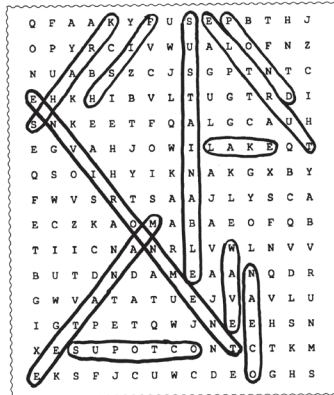
PAGE 9 — WHAT ORGANISM?

1. CORAL
2. JELLY FISH
3. PLANKTON
4. CRAB
5. EEL
6. WHALE
7. SEAHORSE
8. CLOWNFISH
9. STARFISH
10. OCTOPUS
11. DOLPHIN
12. SEAWEED
13. ANGLERFISH

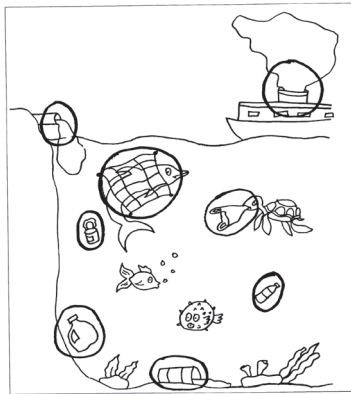
PAGE 10 — CROSSWORD



PAGE 11 — WORD SEARCH



PAGE 13 — WHAT'S WRONG WITH THIS PICTURE?



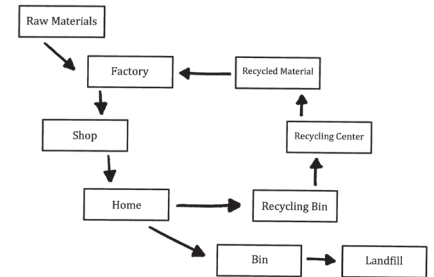
PAGE 14 — TOP 10 DEBRIS ITEMS IN ORDER FROM GREATEST TO LEAST:

1. CIGARETTES
2. FOOD WRAPPERS
3. PLASTIC BOTTLES
4. PLASTIC BAGS
5. CAPS AND LIDS
6. CUPS, PLATES, FORKS, KNIVES, SPOONS
7. STRAWS, STIRRERS
8. GLASS BOTTLES
9. SODA CANS
10. PAPER BAGS

PAGE 15 — HOW LONG DOES IT TAKE?

- A. PLASTIC BAG
- B. PLASTIC BOTTLE
- C. BANANA PEELS
- D. CIGARETTES
- E. PLASTIC COATED PAPER
- F. SODA CAN
- G. GLASS BOTTLES
- H. WOOL SOCKS

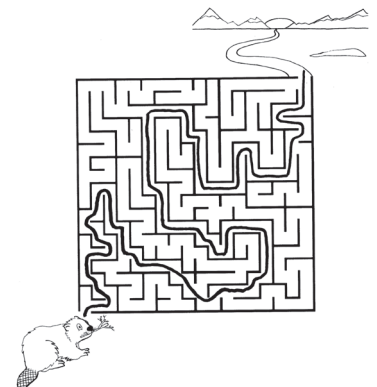
PAGE 16 — RECYCLE



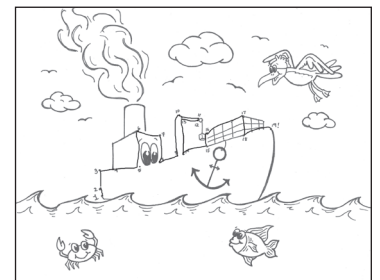
PAGE 17 — A FROGS LIFE CYCLE

- BOX 1:2, BOX 2:5, BOX 3: 3,
 BOX 4: 1, BOX 5:4, BOX 6:6

PAGE 18 — HELP THE BEAVER



PAGE 19 — CARGO SHIP



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For more information, go to www.navios-acquisition.com.

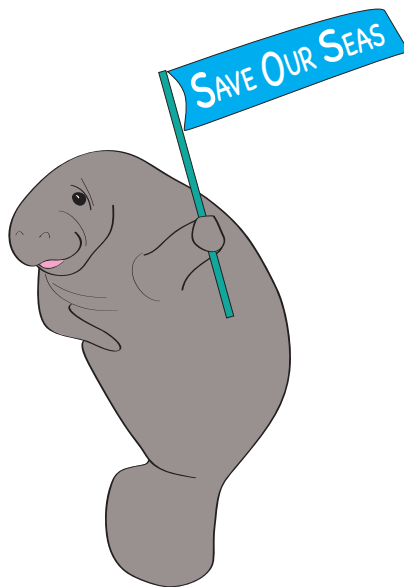


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