

# OCEANS OF POSSIBILITIES



## SUMMER READING ACTIVITY BOOK

AGES 5-8



**Southeast Arkansas  
Regional Library**

Bradley, Chicot, Desha, Drew, & Lincoln Counties



## Welcome to the 2022 Southeast Arkansas Regional Library Summer Reading Program!

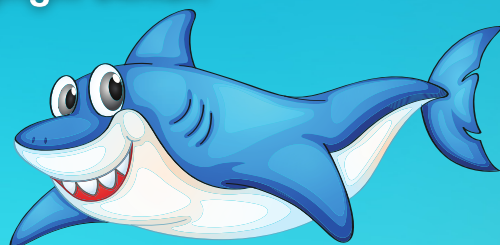
This Summer Reading adventure booklet includes lots of fun activities for you and your family. Some pages are just for fun and some have goals for you to do for fun prizes! Once you have completed a task, ask an adult to fill out the coupon for that task and turn it in at your local library. Each branch library will have unique drawings, so follow the rules for your branch library.

There will be special events at your library so be sure to get a calendar!

Many thanks to the Regional Library Branch Managers, and to HQ staff, Jennifer Knight for compiling and composing this booklet. This booklet was created for educational purposes only and may contain copyrighted material whose use may not specifically been authorized by the copyright owner.

We hope you enjoy it!

*Judy Calhoun,*  
Regional Director





# Beach Bums

We share sandy beaches with a variety of plants and animals — some we can see, others like to hide.

Hidden under the sand in burrows or nestled in the kelp, sand-dwelling animals associated with different parts of the beach are constantly changing positions with the tide. Sand dwellers include sand crabs, roly-polys, sand fleas, and clams.

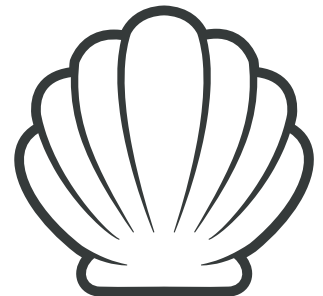
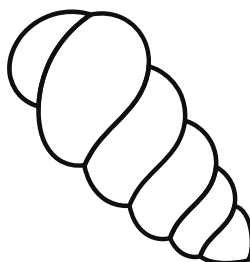
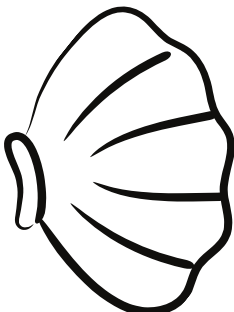
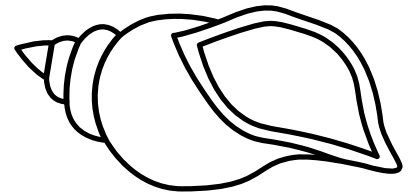
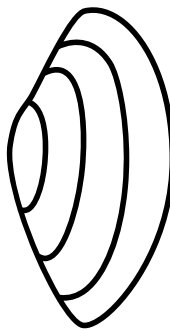
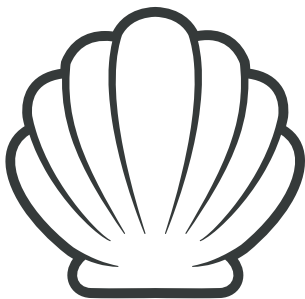
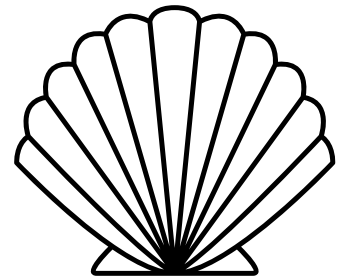
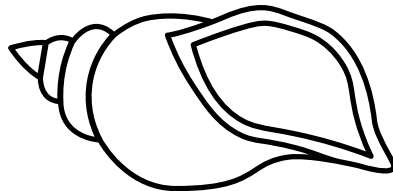
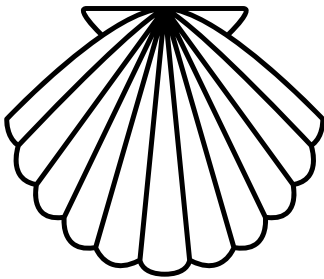
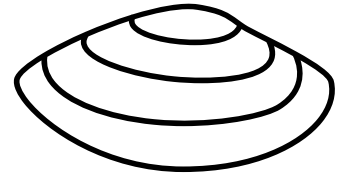
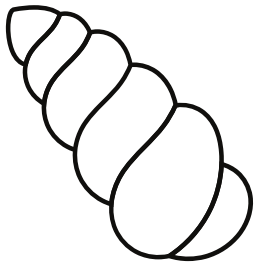
There are lots of animals we may see just hanging out on the beach, like sea turtles, crabs, seagulls, seals, and many others. Each beach is its own ecosystem with residents and visitors. The best way to share the beach is by learning what kinds of wildlife live, feed, and reproduce on the beach you visit.





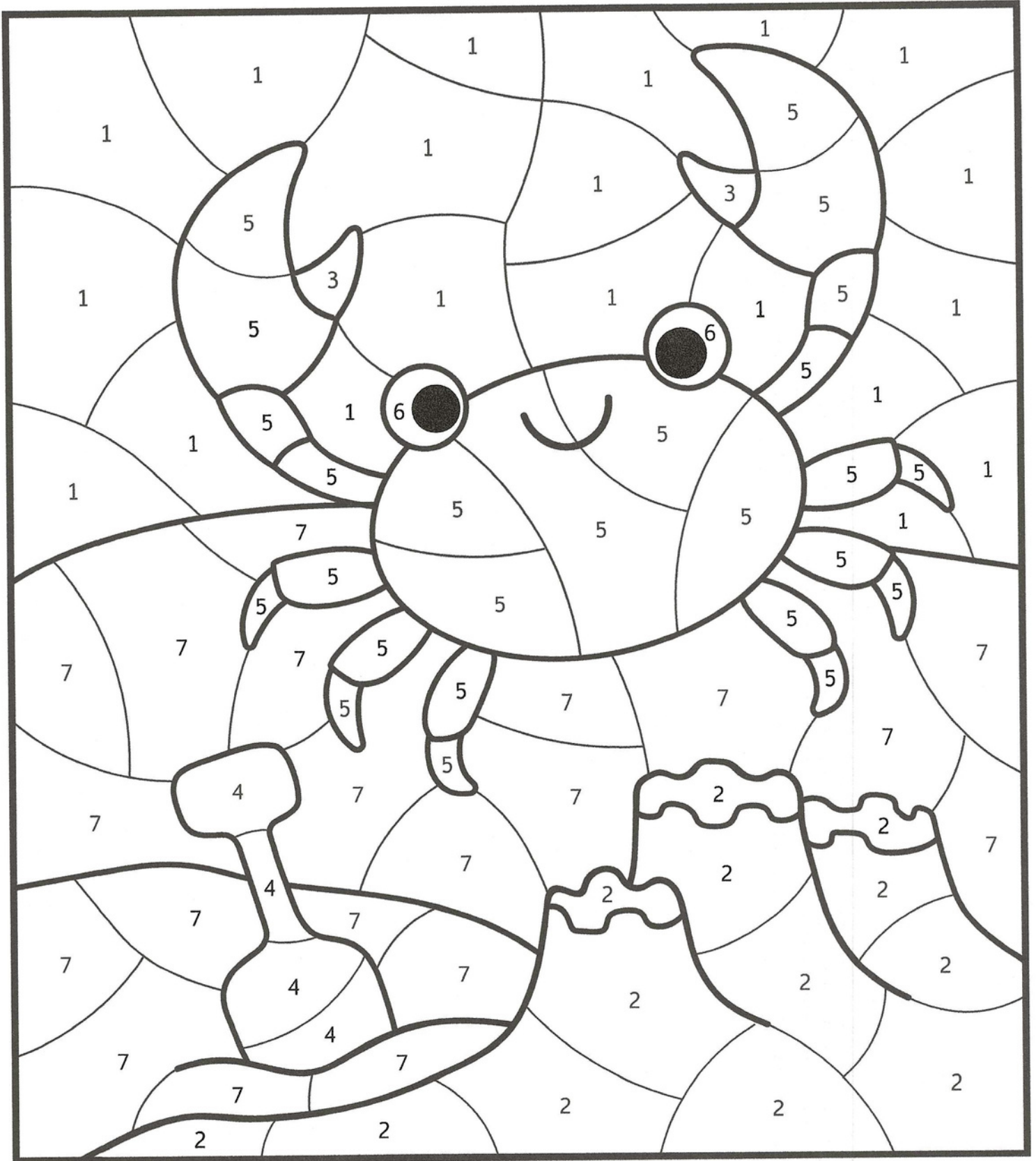
# SEASHELL MATCHUP

Find the seashells that match, then color the pairs in matching colors.





# Crab



- 1 Blue   2 Orange   3 Brown   4 Pink   5 Red  
6 White   7 Yellow

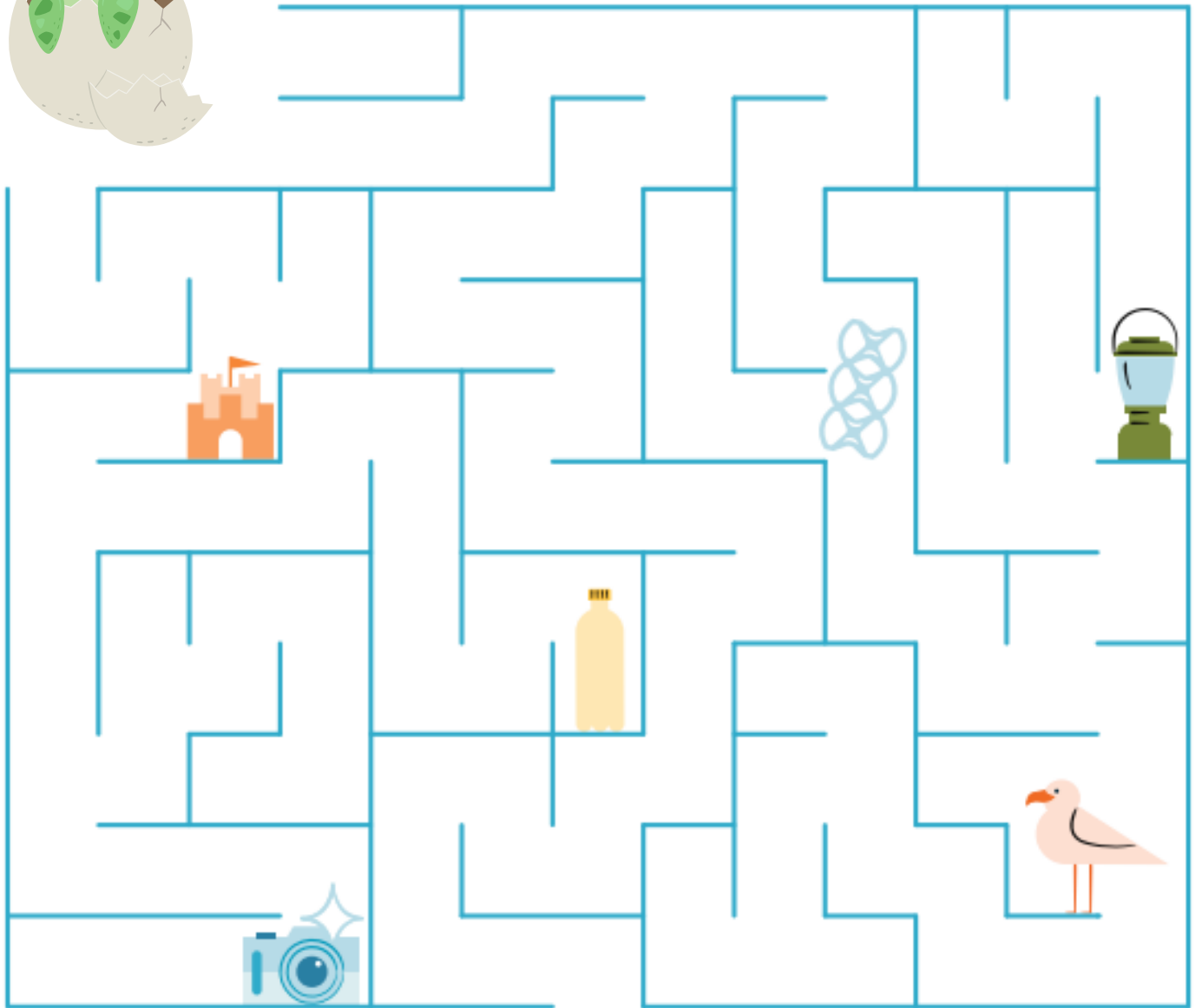




# Hatchling Maze



Help the baby sea turtle find its way into the ocean.  
Try to avoid any of the obstacles or predators along the way!





# Clam Shell Cookies with Buttercream

## What You Need:

48 Nilla Wafer cookies  
Food dyes of your choice  
1/2 cup butter  
2 cups powdered sugar  
1 teaspoon vanilla extract  
2-3 Tablespoons cream  
24 White Sixlets or large pearl sprinkles



1. To make the frosting, combine the butter, sugar, & vanilla extract.
2. Add the cream until you reach your desired consistency.
3. Portion out into bowls. Dye each bowl a different color using the food dye.
4. Portion each color into a piping bag with a star tip (you can do these one at a time & just swap out the bag each time).
5. Swirl frosting onto 6 cookies, then swap out colors if doing a variety of colors.
6. Place 1 Sixlet or pearl candy in the front of each frosting swirl.
7. Sandwich a second cookie on each clam - however, you need to angle it so that the top cookie is touching the plate & you can clearly see the pearl.

# Fun in the Sun



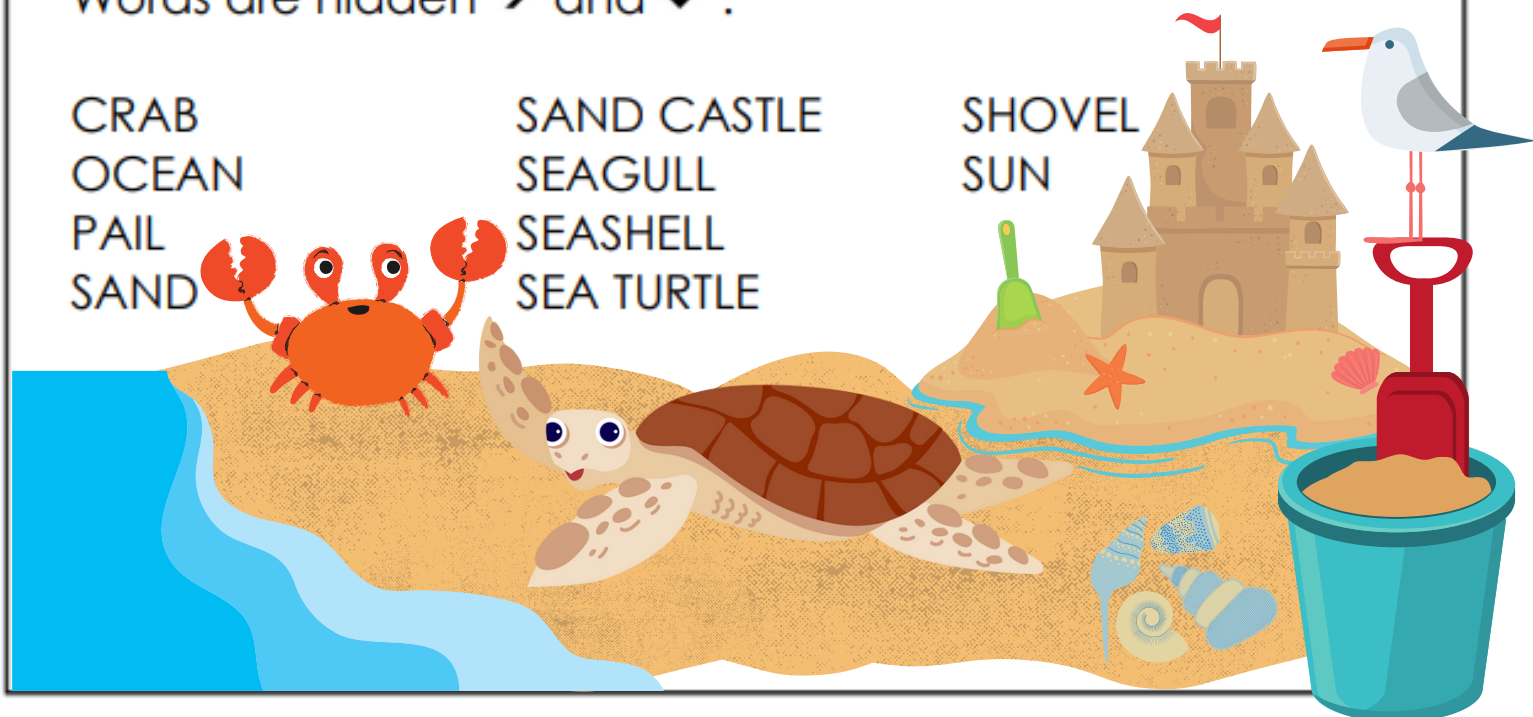
S	E	A	S	H	E	L	L	O	S	F	W
H	R	W	I	A	F	R	P	Y	H	M	M
O	N	S	W	S	E	A	G	U	L	L	B
V	S	A	N	D	C	A	S	T	L	E	P
E	S	N	A	N	Q	C	R	A	B	A	A
L	U	D	H	U	S	O	C	E	A	N	I
X	N	U	A	Y	F	T	N	P	N	P	L
X	S	E	A	T	U	R	T	L	E	J	I

Find the following words in the puzzle.  
Words are hidden → and ↓ .

CRAB  
OCEAN  
PAIL  
SAND

SAND CASTLE  
SEAGULL  
SEASHELL  
SEA TURTLE

SHOVEL  
SUN





# OCEAN YOGA



**I am a jellyfish.**

STANDING FORWARD BEND



**I am a shark.**

LOCUST POSE



**I am a dolphin.**

DOLPHIN POSE



**I am a crab.**

TABLE TOP POSE



**I am a turtle.**

TORTOISE POSE



# STYROFOAM CUP SEA CRABS



## Supplies:

- Styrofoam cups
- Pipe cleaners
- Googly eyes
- White craft glue
- Scissors
- Paintbrushes
- Paint

## Instructions:

1. First, you'll want to cut the cups down a bit, take off about an inch & a half. Paint the outside of each cup, add a 2nd coat if needed.
2. For the crabs' eyes, cut a pipe cleaner into 5 equal pieces. Repeat with another pipe cleaner to have 10 equal pieces. That's enough for 5 crabs.
3. Glue a googly eye to only 1 end of each pipe cleaner.
4. For the crabs forearm claws, cut a pipe cleaner in half. Take 1 piece and bend it in half. Starting at the bend, twist the pipe cleaner together, leaving the last 3/4-inch open. Bend those 2 open pieces into a curve to create the claw. Repeat with the other pipe cleaner half. You will get 2 forearm claws from a single pipe cleaner.
5. For the legs, cut 2 more pipe cleaners into 6 equal pieces, you will get 3 pieces from each pipe cleaner.
6. Bend the pieces in 3 places as pictures, kind of like an **S** shape. Use a toothpick to poke 2 holes in the front of the cup and insert the forearm claws. Secure with white glue.
7. Use the toothpick to make 3 holes on each side of the cup and insert the legs, 1 pointing forward, the other 2 pointing back. Secure with white glue.
8. At the top of the cup, directly above the front claw arms, poke 2 holes for the eyes. Add a dab of glue and insert the eyes you made earlier.
9. Let everything dry before displaying.



# Creatures of the Deep

There are many cool creatures living in the ocean. These plants and animals are called marine life. Ocean animals come in almost every shape and size imaginable. Some are beautiful, others are funny looking. Some are predictable, others have strange habits and weird abilities. Some are very small and others are massive.

Oceans cover more than two thirds of the earth's surface, and they are very deep! Fish and other animals make their homes in all different parts of the ocean, even on the bottom, or sea floor.









The ocean is also filled with lots of plants, which provide food, homes, and protection for ocean animals. A person who studies ocean life is called a marine biologist.



# Shark I Spy



How many of each shark picture did you find?

	_____		_____		_____		_____
	_____		_____		_____		_____



# Hotdog Squids

Hot dogs & noodles are transformed into creatures!  
Who says playing with your food isn't fun?

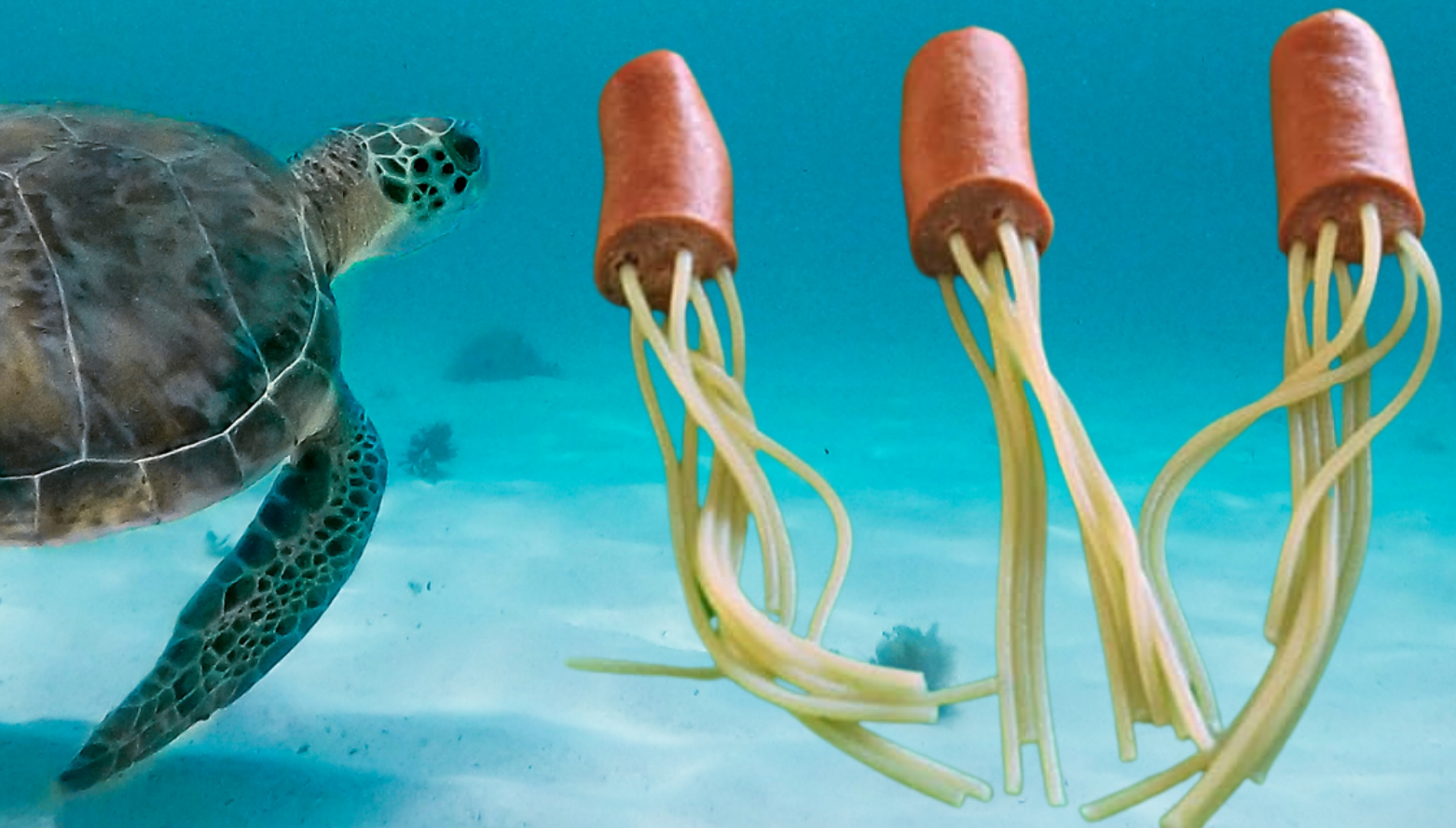
## Ingredients:

Hot dogs

Angel hair pasta or spaghetti

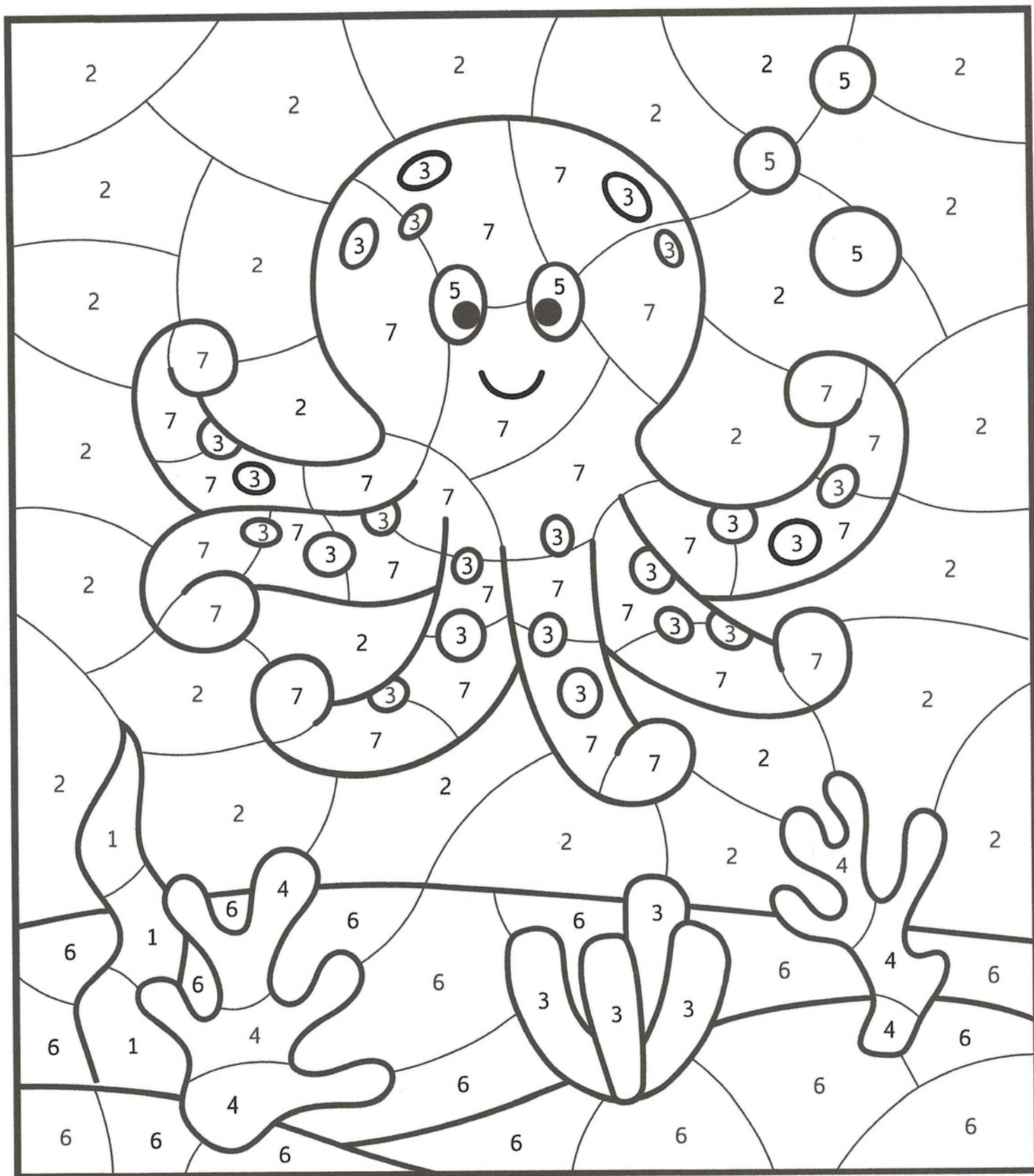
## Directions:

1. Cut hotdogs into chunks. Insert noodles through the chunks. Boil for 7 minutes or until noodles are cooked.
2. Add your favorite sauce or cheese!





# Octopus

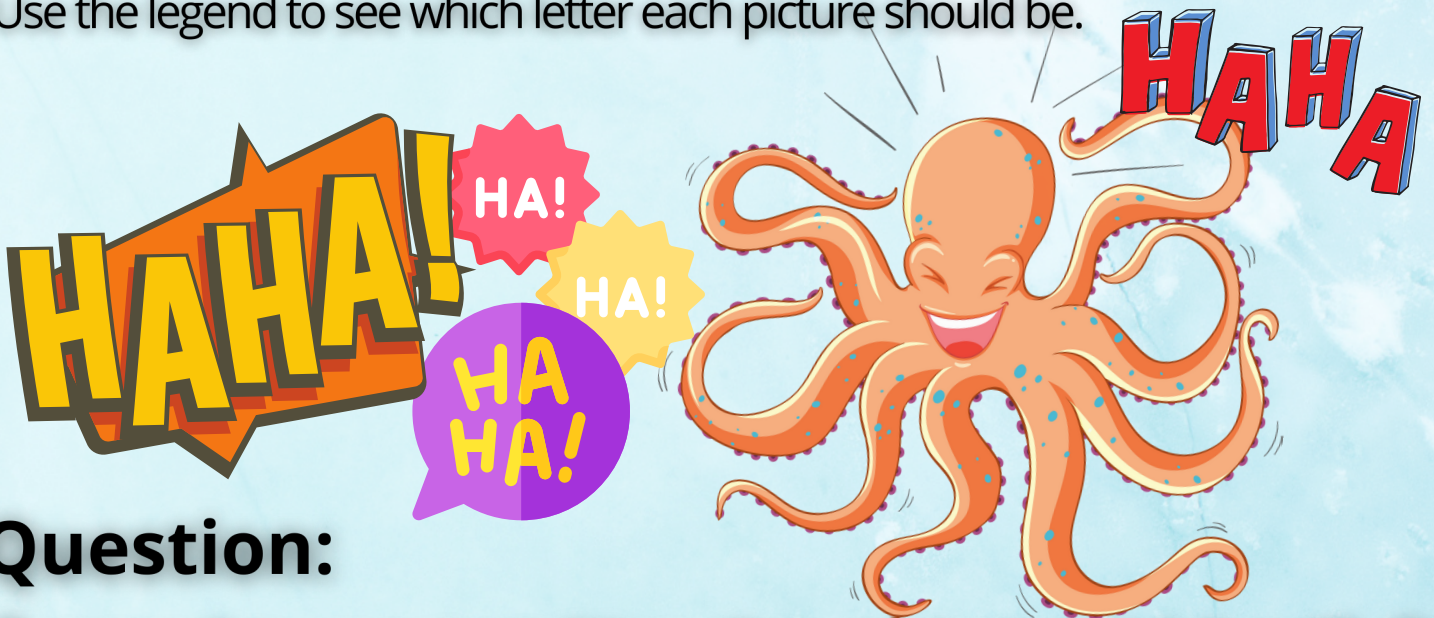


- 1 Green   2 Blue   3 Orange   4 Red   5 White  
6 Yellow   7 Pink



# MYSTERY JOKE

Can you crack the code to find the answer to this joke?  
Use the legend to see which letter each picture should be.

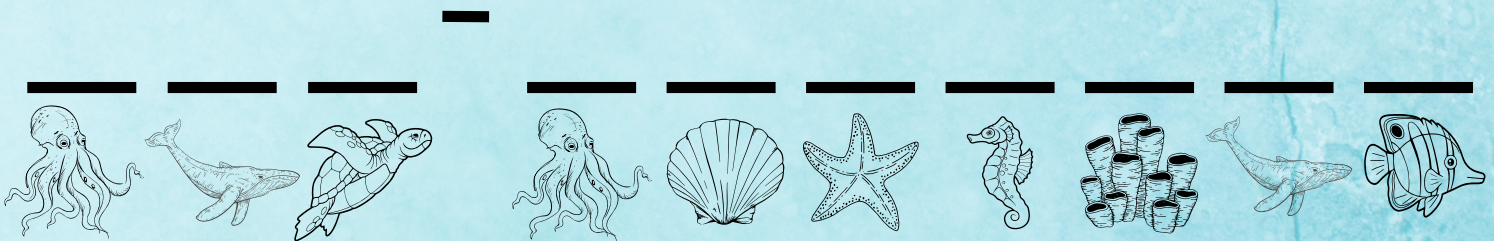


**Question:**

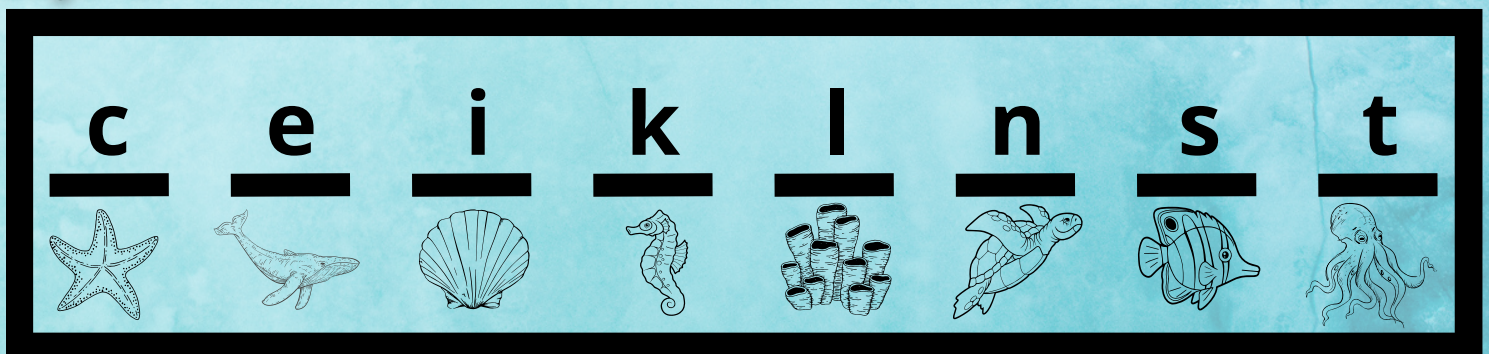
**How can you make an octopus laugh?**

**Answer:**

**With**



**Legend:**





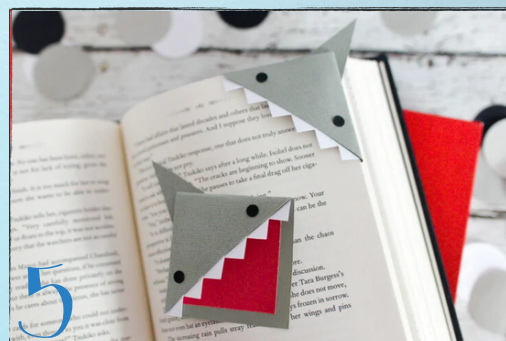
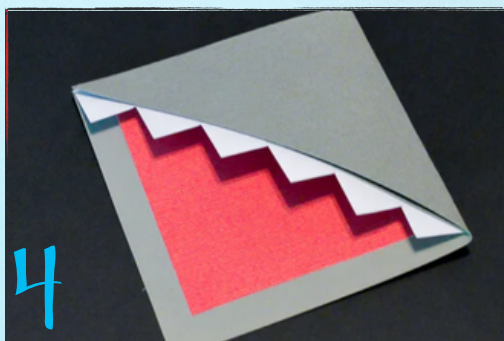
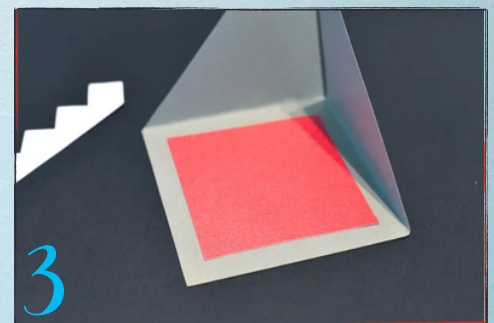
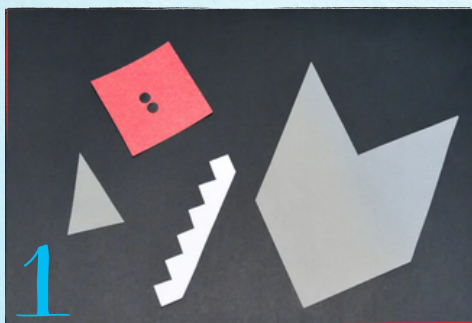
# Shark Corner Bookmark



## Supplies:

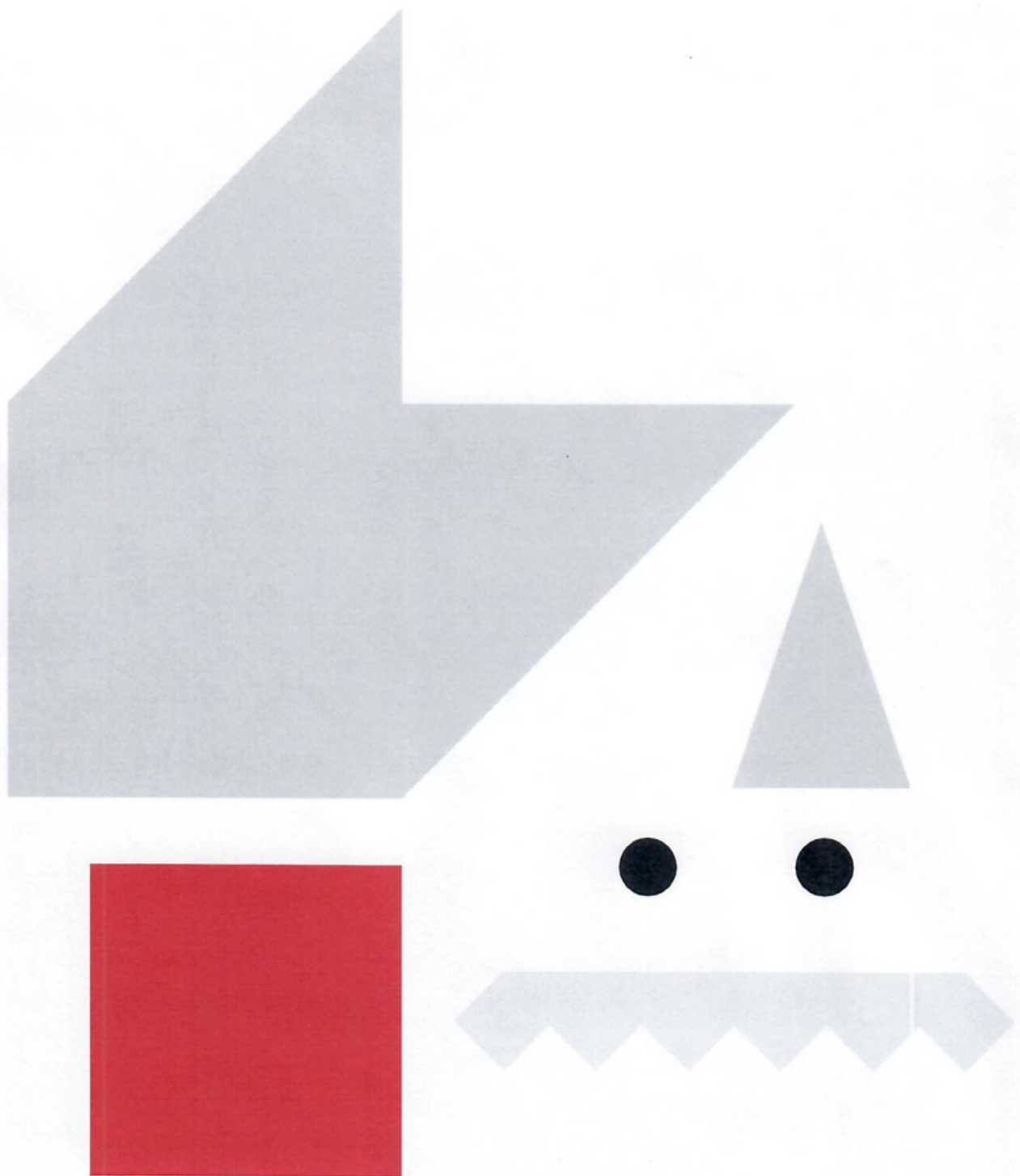
- Bookmark Template
- Craft glue
- Scissors
- Hole punch (optional)

1. Cut out all of your pieces. For the eyes, you can either use the template or use a hole punch.
2. Fold over the two triangle flaps of your shark head to make a square shape. Don't glue yet!
3. Glue the red mouth piece to the base of the square, inside the flaps.
4. Glue the back of the top flap to the front of the back flap, so that page can be inserted. Glue teeth into place, behind the flap.
5. Glue eyes and fin and you're done!



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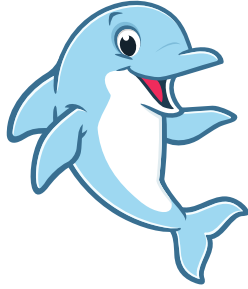
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# Motion in the Ocean!

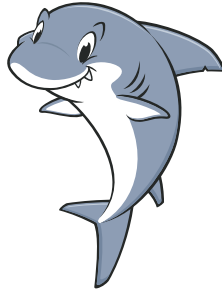
Roll dice and perform the activity on the card where it lands

**JUMP**



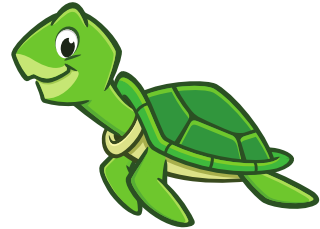
like a Dolphin!

**CHOMP**



like a Shark!

**flap**



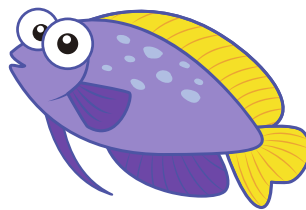
like a turtle!

**Stretch**



like a star fish!

**Swim**



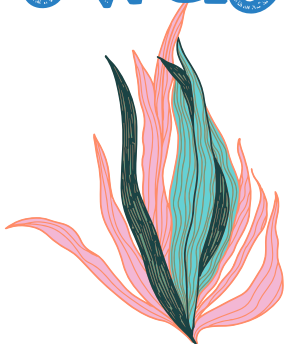
like a fish!

**Jiggle**



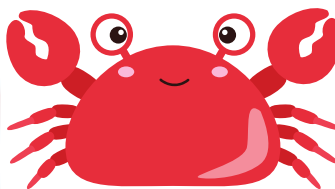
like a jellyfish!

**Sway**



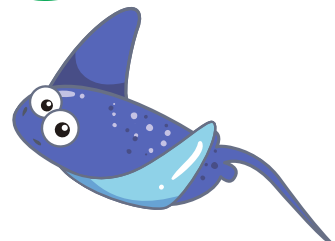
like sea kelp!

**Scuttle**



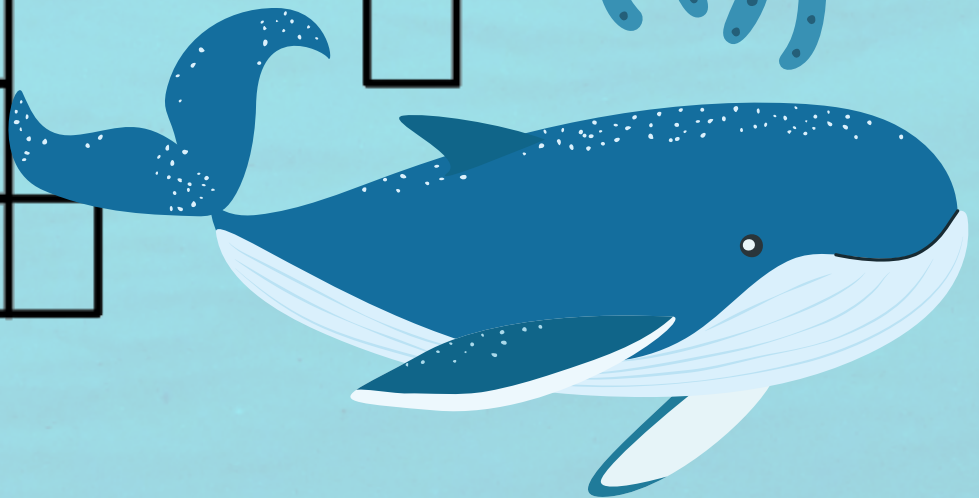
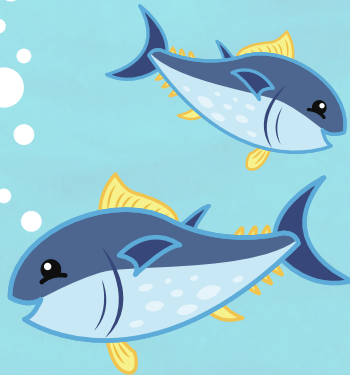
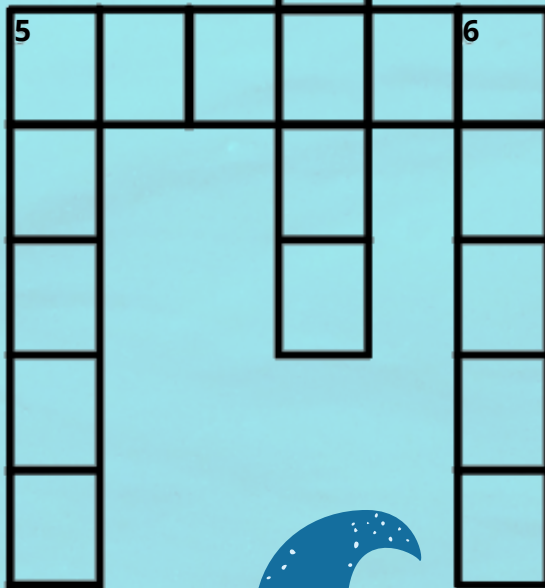
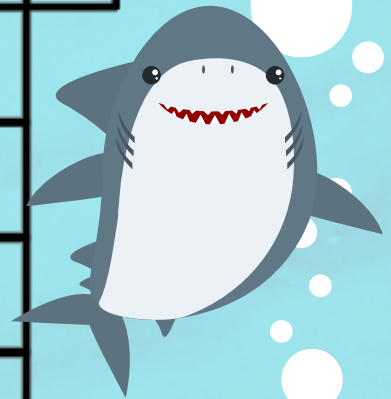
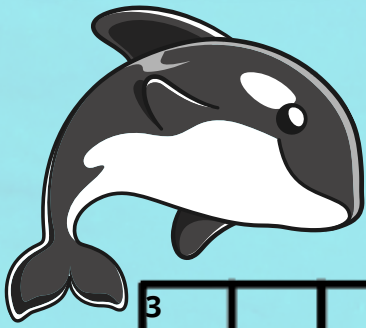
like a crab!

**gLiDe**



like a sting ray!

# UNDER THE SEA CROSSWORD



## ACROSS:

1. FISH SHAPED LIKE A STAR
3. BLACK & WHITE SEA ANIMAL
5. LARGE BODY OF WATER
7. TUNA, SALMON, TROUT ARE TYPES OF  
\_ \_ \_ \_ \_

## DOWN:

2. WE CAN FIND A PEARL IN IT
4. LARGEST SEA MAMMAL
5. SMART SEA ANIMAL WITH 8 TENTACLES
6. DANGEROUS SEA ANIMAL WITH SHARP  
TEETH



# MYSTERIES OF THE DEEP

The oceans contain many great mysteries within their depths. Most of our planet is covered in water however, scientists say they still know very little about the mysterious deep blue ocean. They are still discovering new ocean species every year!

Did you know there are over 3 million shipwrecks at the bottom of the ocean? Some very famous shipwrecks include the RMS Titanic, HMHS Britannic, RMS Lusitania, SS Andrea Doria, and SS Edmund Fitzgerald. Check out a book about shipwrecks from your library!

Perhaps one of the most famous ocean mysteries is the Bermuda Triangle! The Bermuda Triangle is a section of the Atlantic Ocean where ships and airplanes are said to disappear.





# BIOLUMINESCENCE

The ability of living organisms to create their own light, using a chemical reaction.

Finding food in the deep sea is extremely hard for the sea animals that live there. But, the anglerfish have adopted a unique strategy to find their next meal. Instead of using energy to hunt their prey, deep-sea anglerfish have developed a fishing pole-like rod that projects from their head. At the end of the rod is a sac of bioluminescent bacteria that glows brightly in the dark. The light attracts prey towards the anglerfish's waiting mouth. Connect the dots to help the angler fish find food.



# SHIPWRECKED SNACKS



## What You Need:

Cheese squares  
Summer Sausage  
GoldFish snack crackers  
Toothpicks

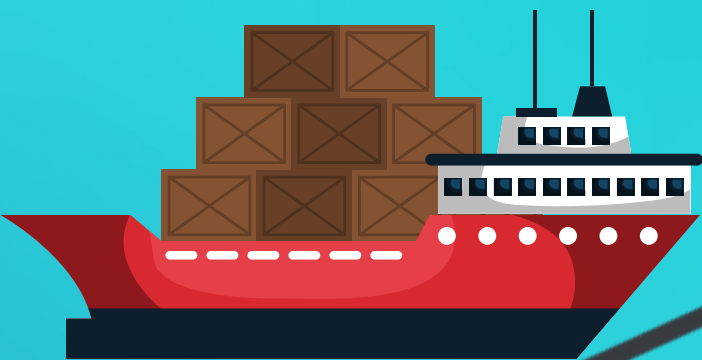
- 1. Cut cheese squares into triangles.**
- 2. Cut slices of summer sausage in half.**
- 3. Insert a toothpick in the summer sausage as shown in the picture. Add cheese triangle.**
- 4. Arrange goldfish on a plate with your boats and enjoy your shipwrecked snack!**





# Can you escape THE BERMUDA TRIANGLE

The Bermuda Triangle is a region in the Atlantic Ocean, covering about 500,000 square miles of ocean off the southeastern tip of Florida. The location falls between Miami, Bermuda, and Puerto Rico. It is also known as the Devil's Triangle where a number of aircraft and ships are said to have disappeared under mysterious circumstances!



## Fun Fact:

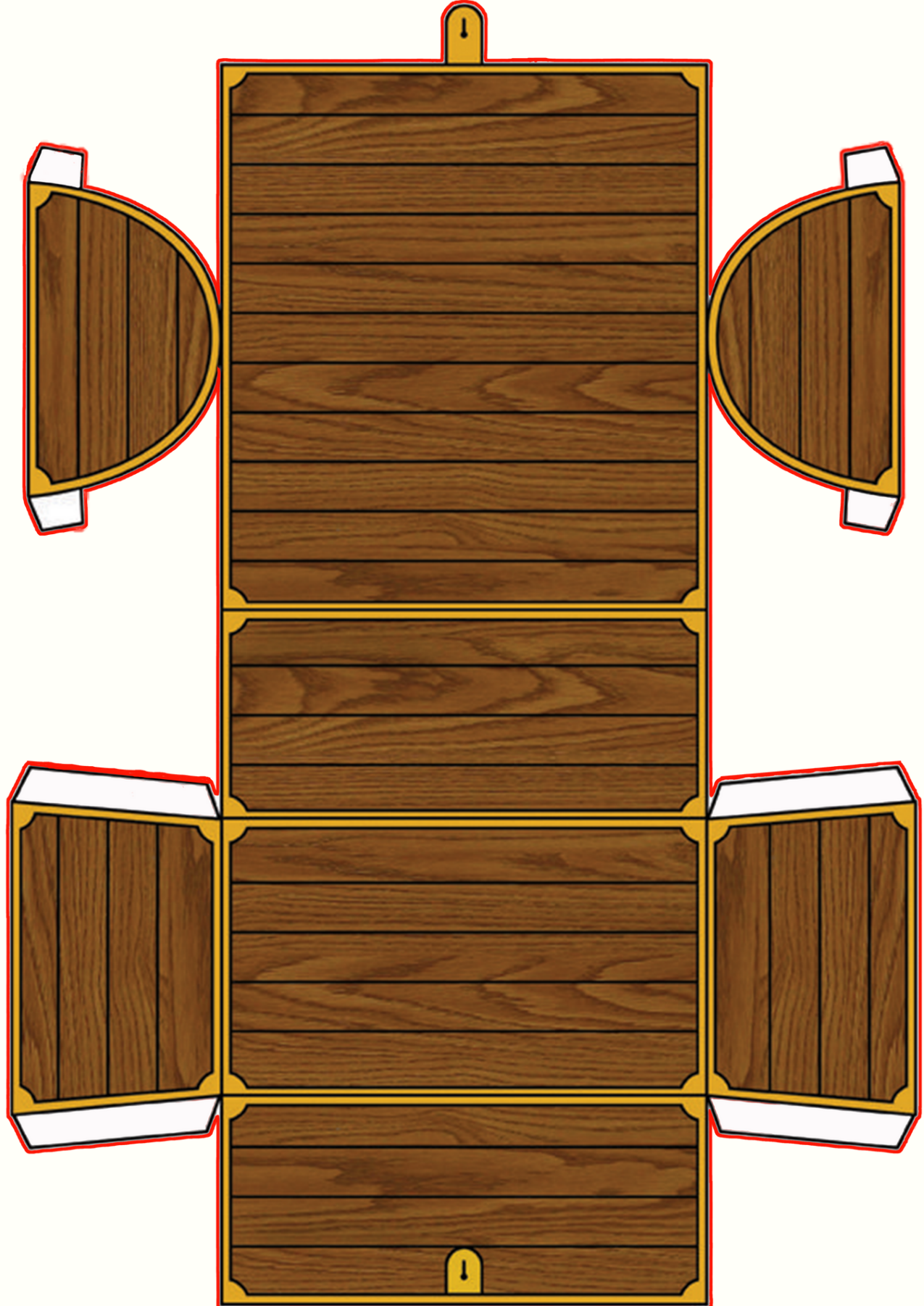
Many theorize that the Triangle is home to the lost city of Atlantis. According to legend and speculation, the city of Atlantis relied on the power of special energy crystals that were extremely powerful. The theory is that these energy crystals are in an altered state of some kind and send out rays of energy that confuse navigation.





# Treasure Chest

Ahoy Maties! Looking for the perfect place to stash your treasures? Look no further than this treasure chest. Cut out around the red line, then fold the yellow lines. Fold in the white tabs and glue or tape down.



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# I Spy Pirate



How many of each picture can you find?



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



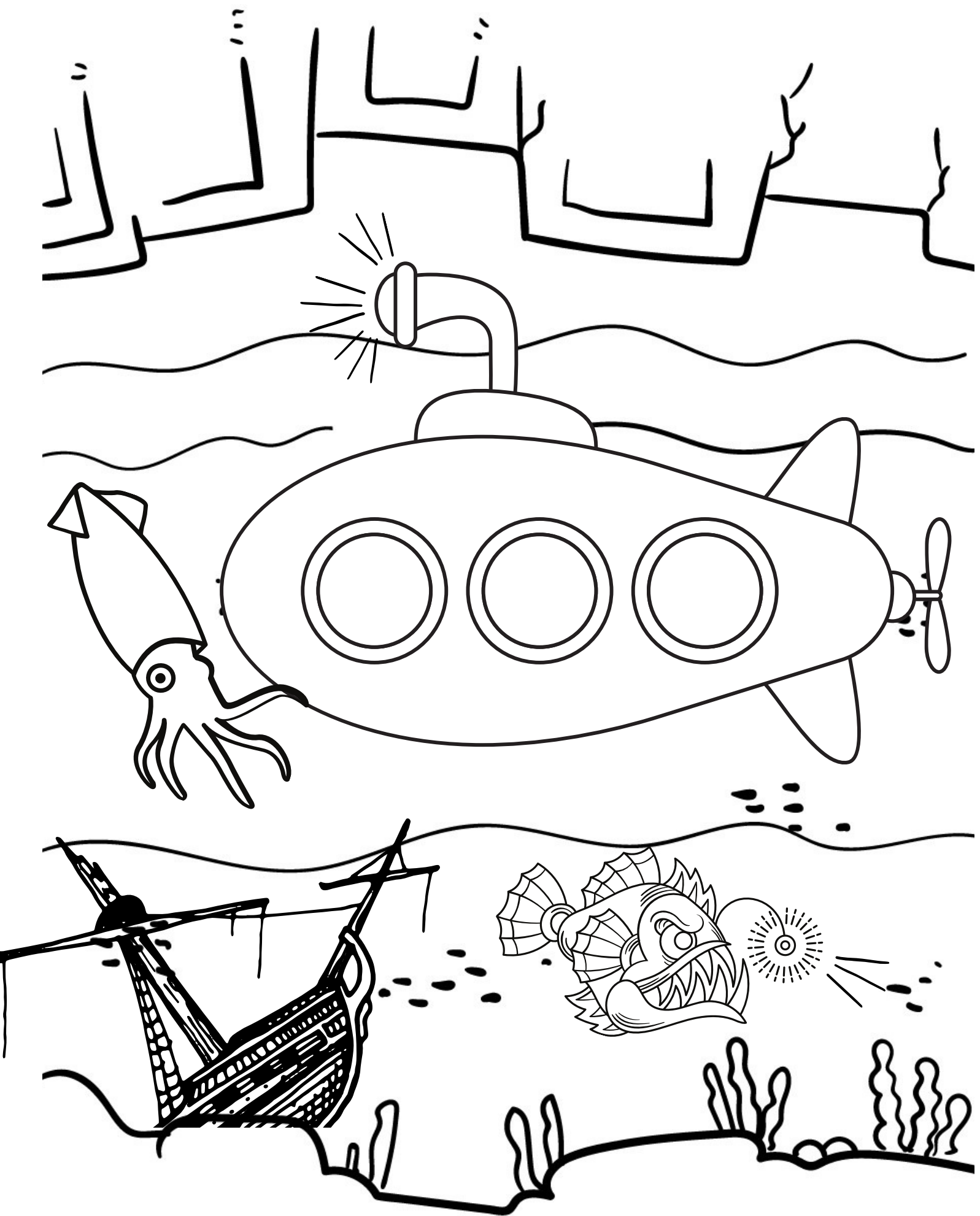
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**The Times Dispatch**  
 WHOLE NUMBER 18307. RICHMOND, VA., TUESDAY, APRIL 16, 1912. THE WEATHER TODAY—Barely. PRICE TWO CENTS.

# Titanic, Giant White Star Liner, Sinks After Collision With Iceberg on Her Maiden Voyage, and 1,800 Lives Are Reported Lost in World's Greatest Marine Disaster

**WIRELESS CALLS SEND VESSELS RUSHING TO AID OF SEA COLOSSUS**

Through the Night They Drive With Full Speed to Reach Titanic.

**MEANTIME WORLD WAITS IN AGONY OF SUSPENSE**

Rescuing Liners Arrive Too Late, and Biggest and Most Luxurious Ship in World Goes Down, Carrying Hundreds of Passengers and Crew, Injuries Making Map of Science, Which Had Given of Its Best to Make This Sea-Piece Indestructible and Unsinkable.

New York, April 15.—The Titanic, of the White Star Line, the biggest and most luxurious ship in the world, lay at the bottom of the sea just south of the Grand Banks of New Foundland, 600 miles southeast of Halifax.

On her maiden voyage, the colossus of the steamships dashed herself against an iceberg. Nothing availed to keep her afloat. The violence of shipwrecking broke against winds and waves, but the mighty steel



THE TITANIC

**OF ALL ON BOARD ONLY 675 KNOWN TO HAVE ESCAPED DEATH IN OCEAN**

Those Rescued Mostly Women and Children, Who Were Taken Off in Boats.

**BITS OF WRECKAGE ALL THAT IS LEFT OF GREAT VESSEL**

Steamer Carpathia Is Bringing Survivors to Port—Two Other Vessels Not Heard From, and There Is Some Hope That They May Have Picked Up Some of Titanic's Passengers. In List of Those Reported Lost Are John Jacob Astor, W. T. Soud and Many Others Who Are of World-Wide Fame.

New York, April 15.—The text of the message from the steamer Carpathia, reporting the sinking of the Titanic and the rescue of 163 survivors, which reached here late tonight, also expressed the opinion that 1,500 lives were lost.

"Loss likely to total 1,800 souls," the dispatch said in its concluding sentence.

It is hoped and believed here that this is an error, unless the

**COL. JOHN JACOB ASTOR IS AMONG DROWNED**

Report Places His Name in CARRIFON NOTARIF

**FINANCIAL BLOW IS VERY SEVERE**

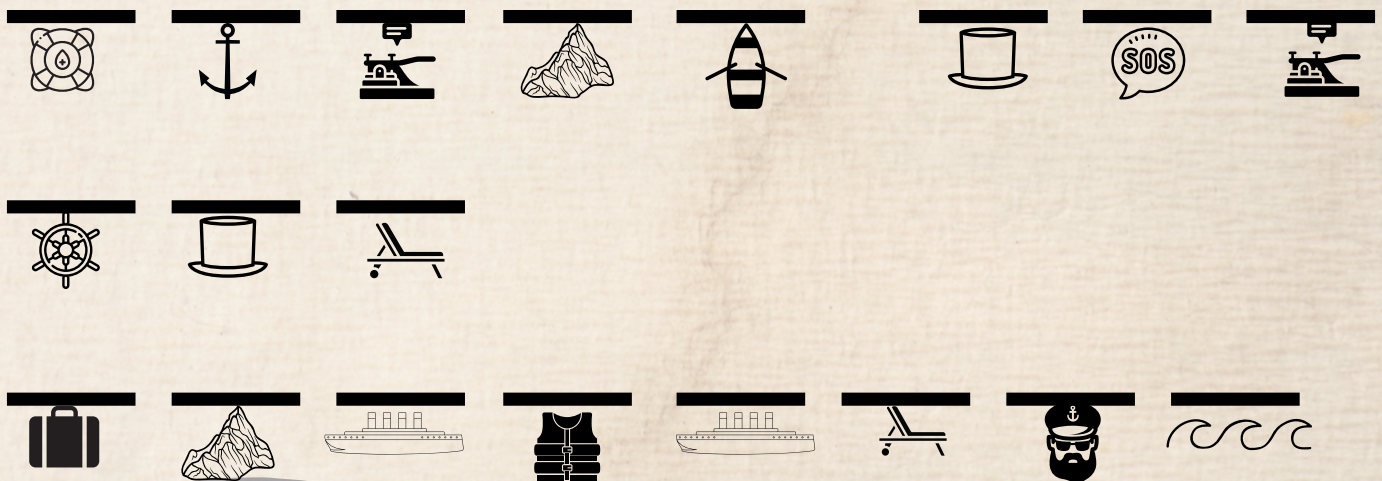
Early in Evening White Star People Admit Maritime

**OFFICIALS CONCEDE GREAT LOSS OF LIFE**

PEOPLE ON SHIPS

# Save Our Ship!

Morse code is a form of communication that was used during the time *Titanic* set sail. Using the key below, see if you can decipher the message for the captain.



## Did you know?

SOS standing for "Save Our Souls" is the most common form of Morse code. The Morse code for SOS is ... \_ \_ \_ \_ \_ which is recognized internationally. This SOS code was the last code used by the *Titanic* when it sank in 1912.



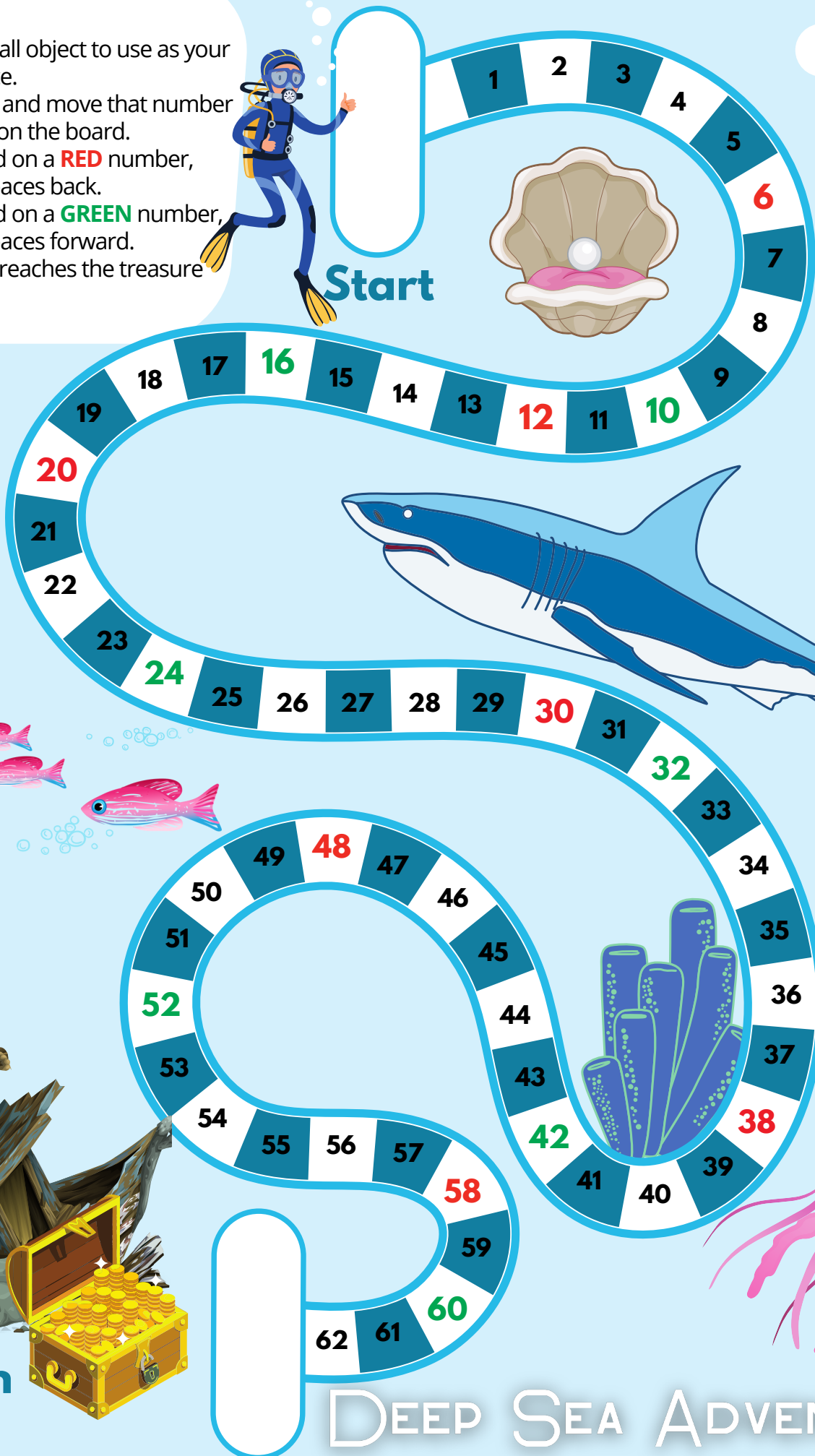
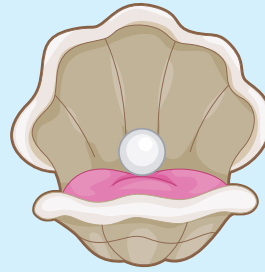


### Instructions:

1. Find a small object to use as your game piece.
2. Roll a die and move that number of spaces on the board.
3. If you land on a **RED** number, move 2 spaces back.
4. If you land on a **GREEN** number, move 2 spaces forward.
5. Whoever reaches the treasure first wins!



Start



Finish

DEEP SEA ADVENTURE



An illustration at the top of the page shows three people on a green boat in the ocean. A woman on the left is holding a black trash bag. A man in the middle is using a long-handled net to catch debris. A boy on the right is also using a net. The water is blue with some floating trash like a plastic bottle and a bag. In the background, there are dark blue hills.

# SAVE OUR SEAS

Whether you live by the coast or you're miles from the nearest ocean, there are still things kids can do to protect a favorite beach (as well as a local river) and the animals that call it home.

Learn more about the ocean and marine life. Your library has lots of books to learn about the different animals in and around the ocean.

Pick up litter. Don't just clean up after yourself when you visit the beach. Take a trash bag and pick up any litter you see.

Don't interfere with the wildlife. Leave marine animals alone. If you see one injured or in distress, call a wildlife center.

Turn off water when you are not using it. Get a reusable water bottle. Plastics that end up as ocean debris are a real problem for marine animals, destroying their habitat and worse.



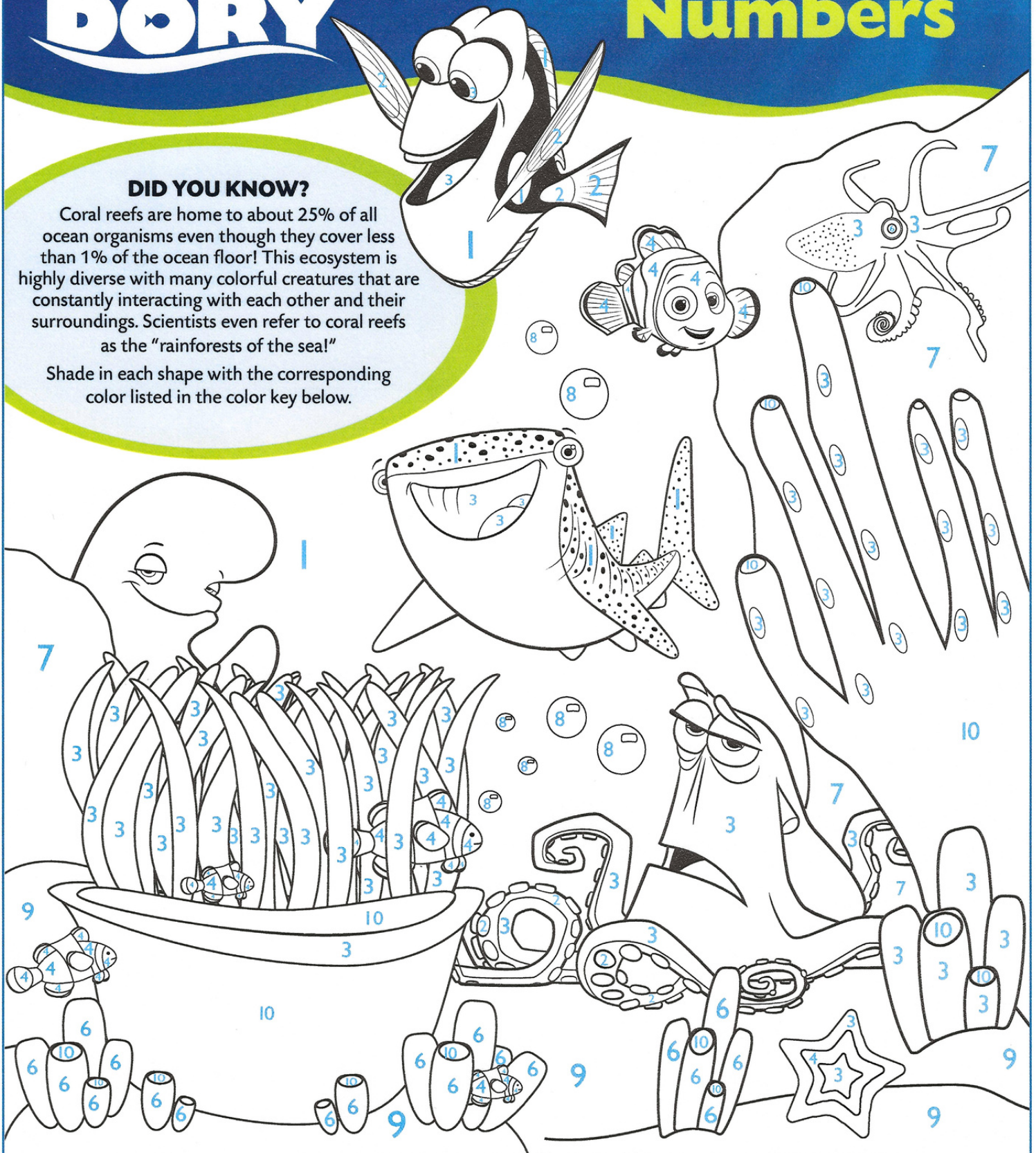


# Coral Reef by Numbers

## DID YOU KNOW?

Coral reefs are home to about 25% of all ocean organisms even though they cover less than 1% of the ocean floor! This ecosystem is highly diverse with many colorful creatures that are constantly interacting with each other and their surroundings. Scientists even refer to coral reefs as the "rainforests of the sea!"

Shade in each shape with the corresponding color listed in the color key below.



1 blue	2 yellow	3 pink	4 orange	5 green	6 red	7 brown	8 light blue	9 tan	10 purple
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# CORAL REEF HABITAT DIORAMA

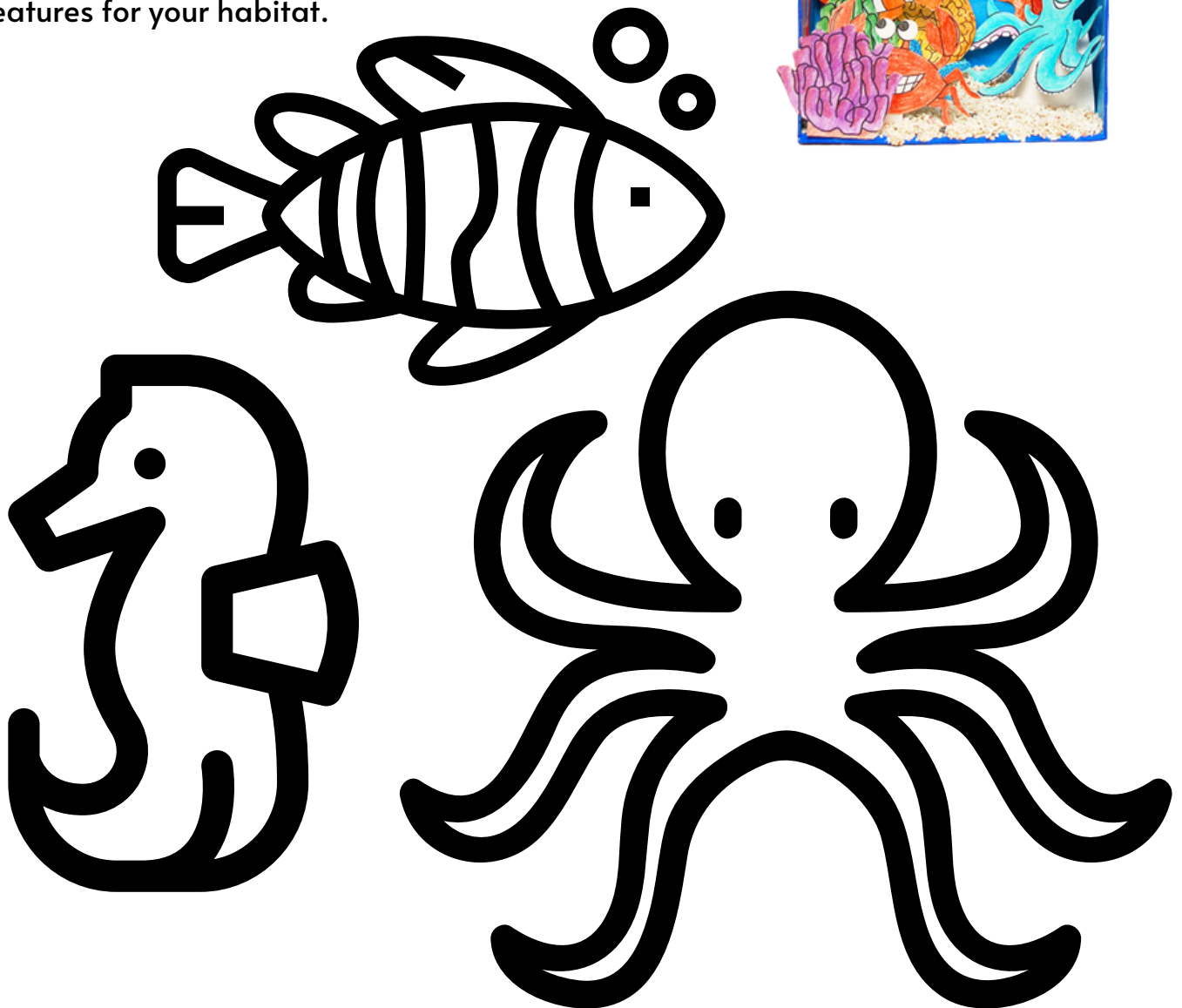
Coral reefs support more species than any other marine environment. The earth's coral reefs are severely threatened by pollution, disease, and habitat destruction.

Build your own coral reef habitat.

## SUPPLIES NEEDED

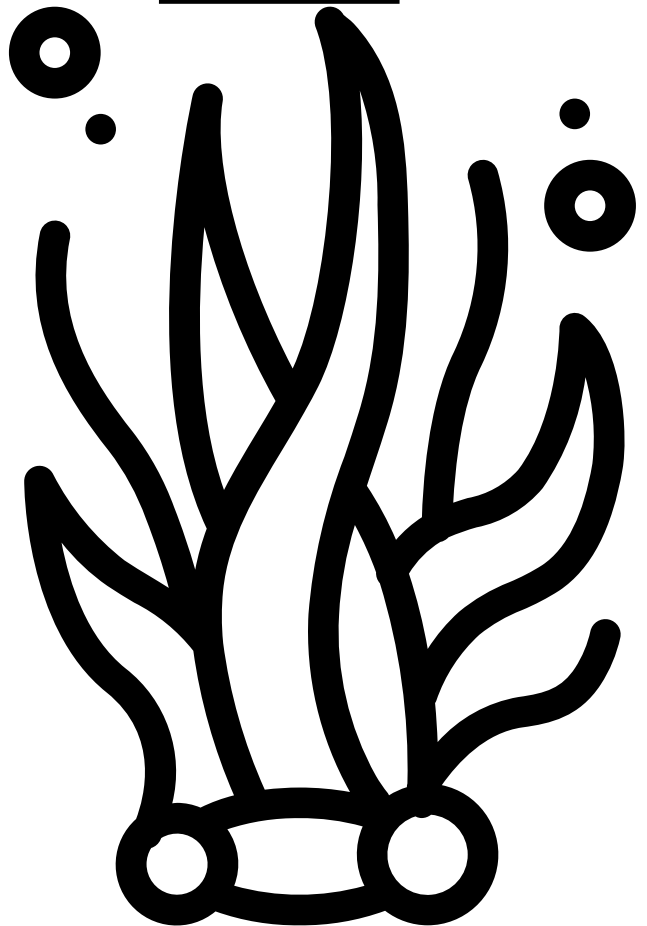
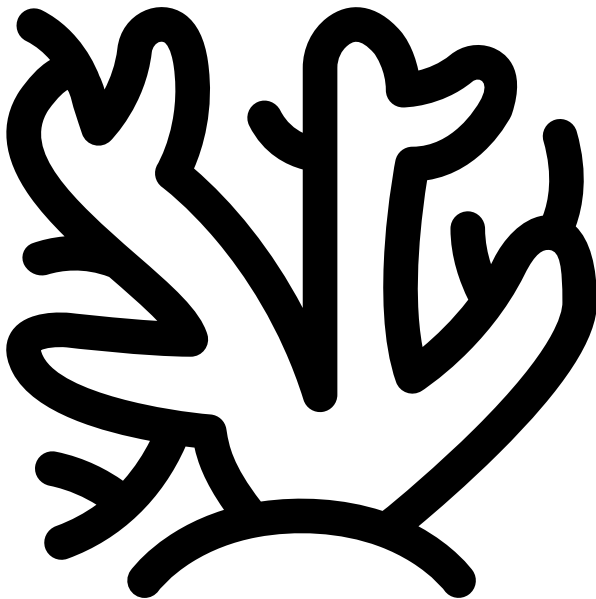
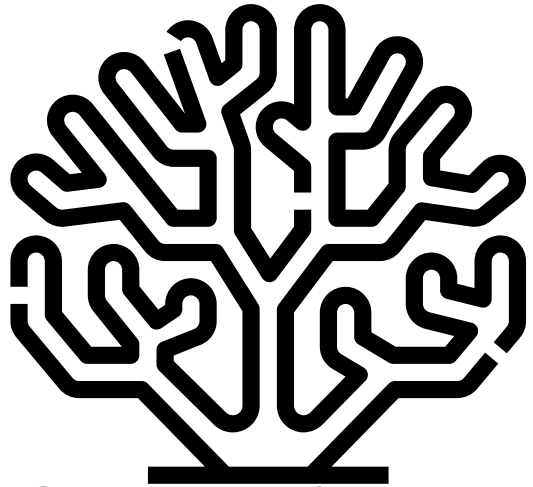
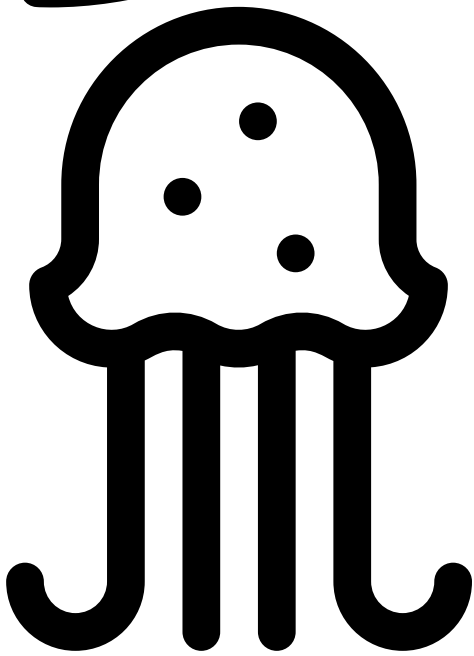
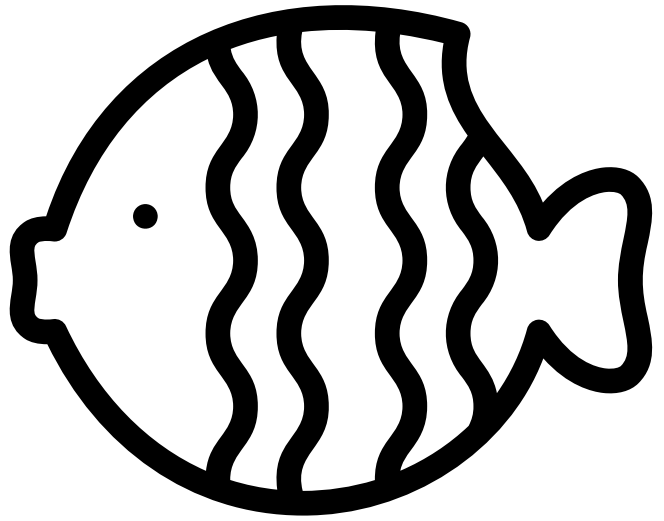
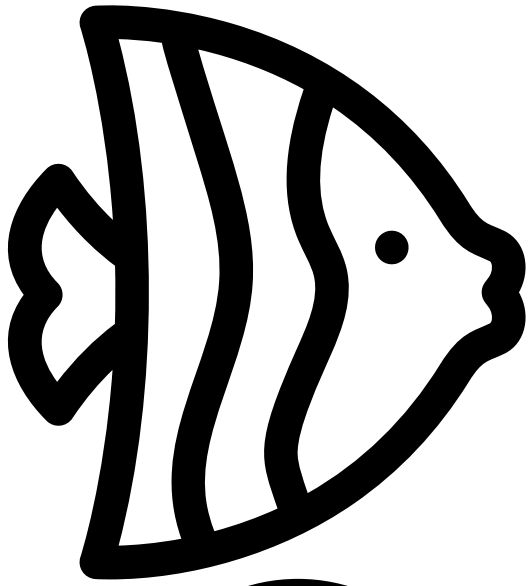
- Shoebox or similar-sized box
- Crayons, colored pencils, or blue tempera paint
- White glue
- Scissors
- Paint brush
- Sand
- Rocks or paper bowl/egg carton, craft sticks, etc.
- Seashells or sand (optional)

Paint or line the box with blue paper. Color and cut out the ocean creatures for your habitat.



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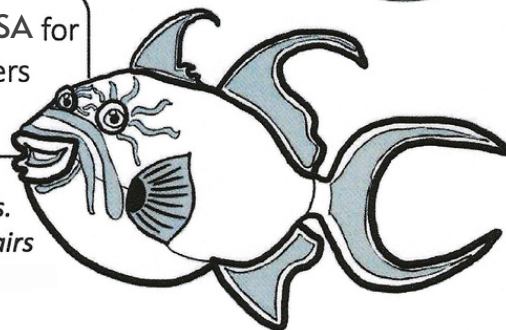
# What Do We Find?

virgin islands  
MARINE ADVISORY  
**VIMAS**  
SERVICE



Did you know that beach cleanups have been going on in the USA 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).



1

2

3

4

5

FOOD WRAPPERS

GLASS BOTTLES

STRAWS & STIRRERS

PLASTIC BOTTLES

CAPS/LIDS

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

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# COLORFUL CORAL CRISPS



## Supplies

- 1 cup Grated Parmigiano-Reggiano cheese
- Food coloring dye
- Parchment paper or non-stick mat

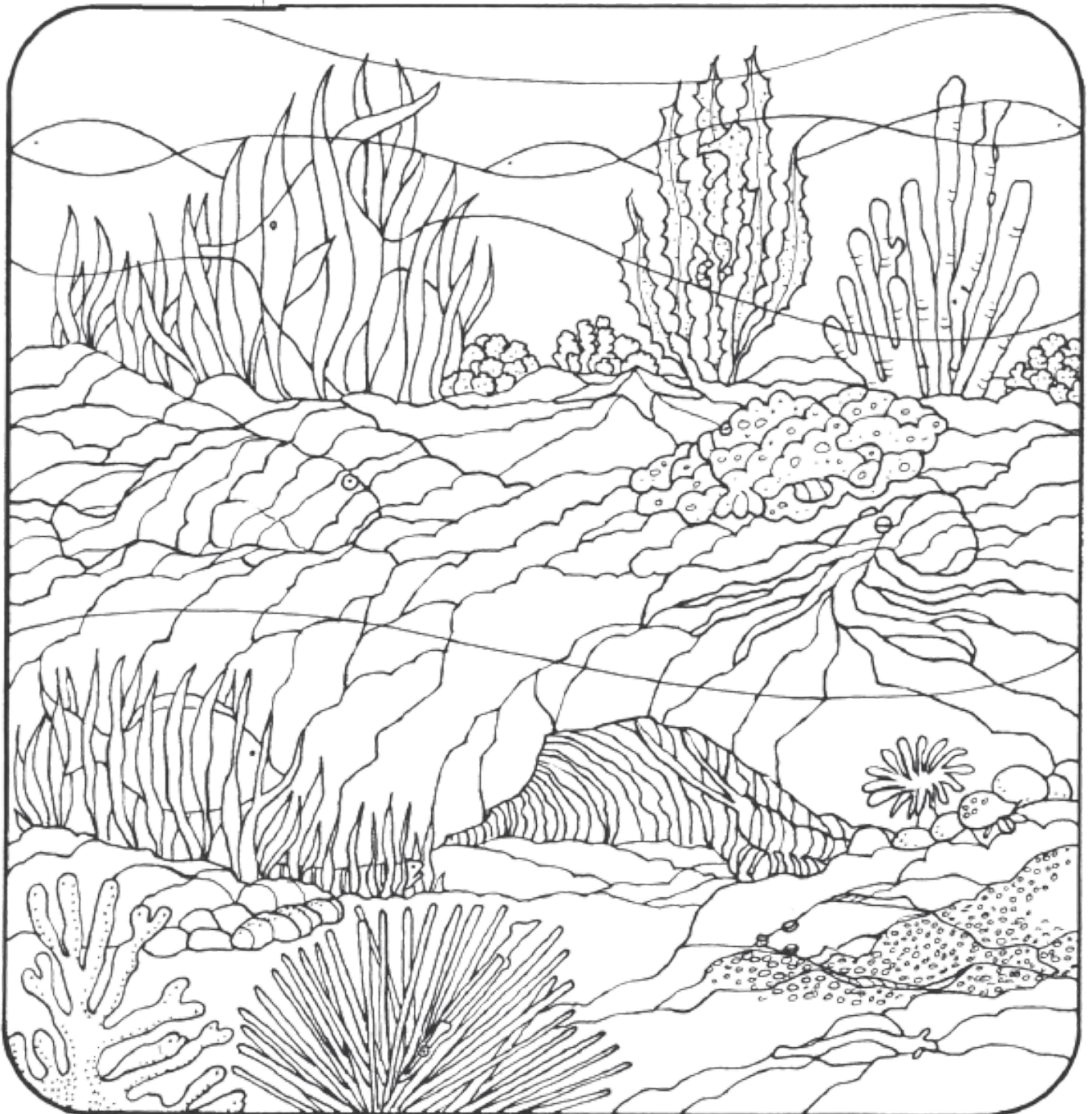
## Directions:

1. Preheat your oven to 400° F (200° C).
2. Line a baking sheet with parchment or a silicone baking mat.
3. To bake the crisps, sprinkle a few tablespoons of cheese to form a round of about 3 inches. Add food coloring to make different coral colors!
4. Bake for approximately 3 minutes until melted and just golden. Remove from the oven and let cool on the baking tray to harden.
5. The crisps can also be molded into a variety of shapes. While they are still hot, use an offset spatula to transfer them to a mold (a rolling pin also works well). Just make sure to move quickly, as they tend to harden and set quite fast.



# CORAL IS ALIVE!

CORALS ARE LIVING ANIMALS, NOT ROCKS. CAN YOU FIND AT LEAST 12 ANIMALS LIVING AMONG THE CORAL AND ALGAE?



© Waikiki Aquarium

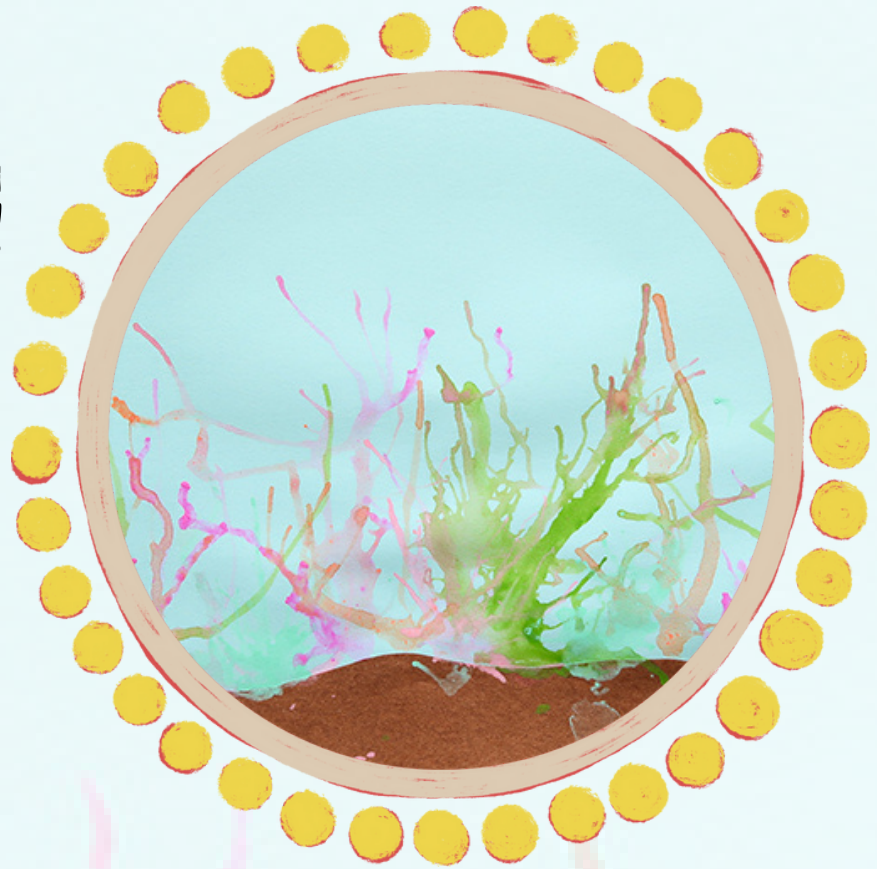
Artwork by A. Tsukamoto

Answers: wrasse (3), moonfish, sea slug, sea horse, trumpetfish, scorpionfish, anglerfish, octopus, surgeonfish, lizardfish, spiny lobster, featherduster worm, hermit crab, coral goby, shrimpfish, flounder, sea slug and more.

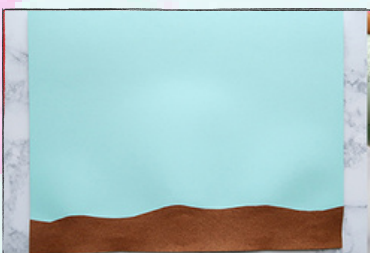
# OCEAN CORAL BLOW PAINTING

## Supplies:

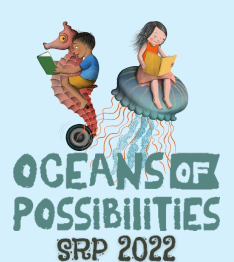
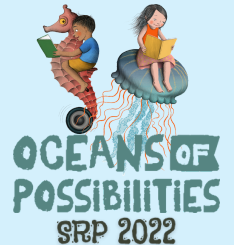
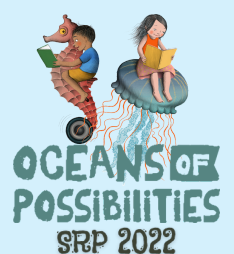
- Paper. Blue and tan/brown for an ocean.
- Paint
- A straw
- Paint palette or bowls
- Scissors
- School glue
- Pencil



1. Take the blue paper and lay it down horizontally. There will be dripping and splashing paint, so make sure to do this on a non-staining, easily wipeable surface. Now take your brown paper, and about an inch or two above the bottom, draw a squiggly line all the way across to create the ocean floor. Cut it out with your scissors. Cover it with glue.
2. Flip it over, line it up on the bottom of your blue paper, and press it in place. While it's drying, weigh it down with something heavy. When it's dry, if you have any overhang on the edges, flip your paper over and trim off the excess. Place a drop of each of your paint colors in your palette.
3. Start adding drops of water to your paint. About 5 drops of water are needed to create a nice thin paint to work with.
4. Using the end of your straw, dip it in the paint. Tap the end of the straw on your paper where you want your coral to start. Now you gently blow through the other end of the straw. Try all different ways of holding the straw so you can see the different effects that different angles and directions give.
5. Between each color, make sure to wipe off the tip of your straw.
6. Let it dry. Now you can draw or cut and paste fish into your coral painting to make a full underwater scene.







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