

OCEAN WONDERS ADVENTURE BOOK



Ocean Wonders Adventure Book

A Journey of Ocean Education
for Young Minds.

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Are you curious about the secrets hidden beneath the waves? Can you solve the cool puzzles in our ocean exploration book to find the answers to the mysteries of the ocean?

Let's do it together



**TURN THE PAGE AND START YOUR
EXPLORATION**

An ocean is a really, really big body of water.

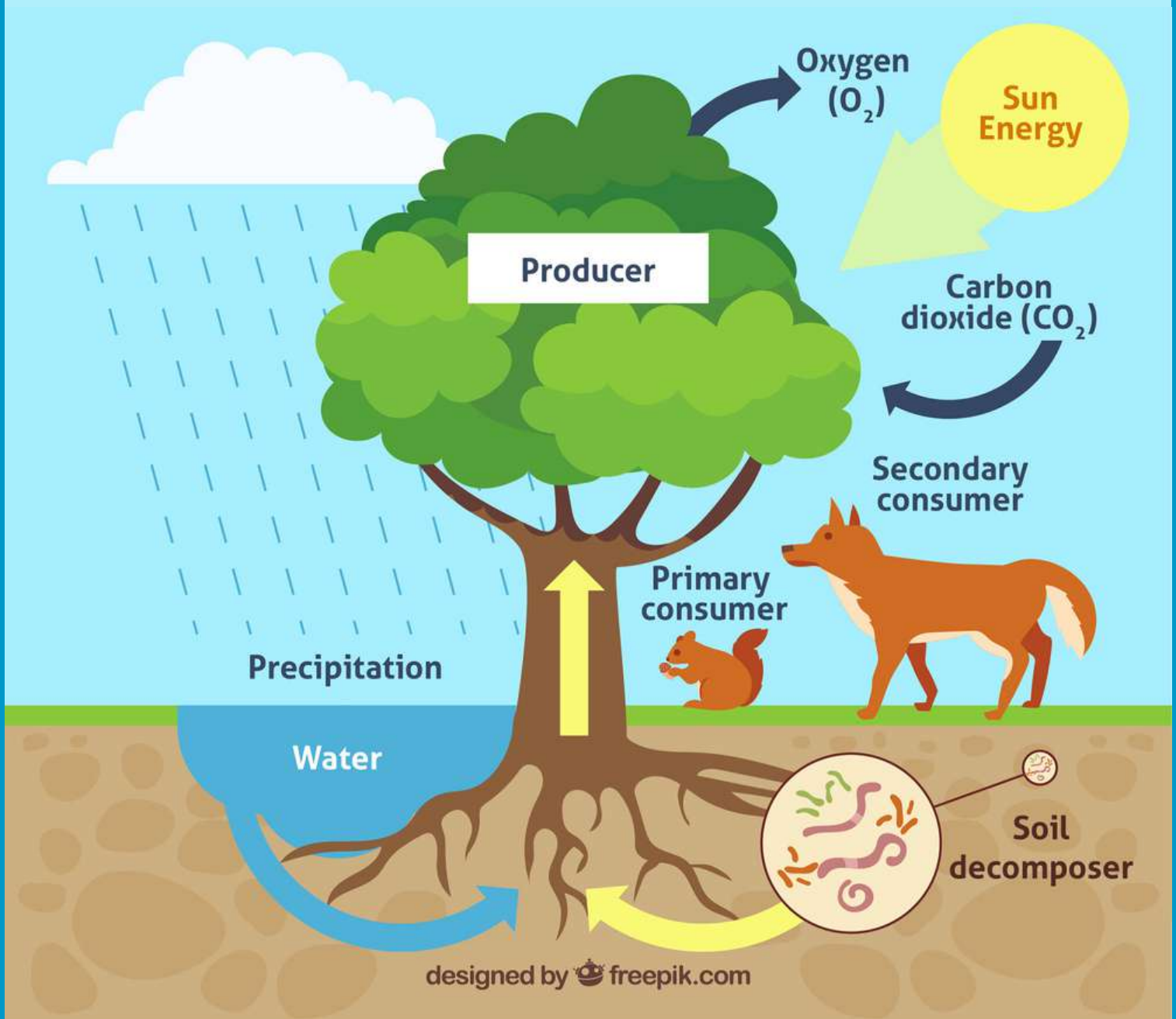
It's much larger than a lake or a pond. It is a continuous body of salt water that is contained in an enormous basin on Earth's surface. Oceans cover up nearly **71 percent** of the Earth and are home to many creatures like fish, whales, and dolphins.

There are five oceans on our planet:

-  Pacific Ocean
-  Atlantic Ocean
-  Indian Ocean
-  Southern Ocean
-  Arctic Ocean



An **ecosystem** is like a big team of nature that works together in a special area. This area can be a forest, a desert, or even the ocean. In this team, there are **living things** like plants and animals and **non-living things** like rocks and weather. They all join forces and create a bubble of life!



A **marine ecosystem** is a special kind of community, but it is **underwater in the ocean!** Just like on land, there are different parts of the ocean ecosystem, and each part has its own special job. There are **three main zones:** the **sunlit zone** at the top where the sunlight reaches, the **twilight zone** where it gets a bit darker, and the **midnight zone** where it's really dark.



WHO INHABITS THE MARINE ECOSYSTEM?



In the sunlit zone of the ocean, there are plants like seaweed and algae. They're the ones who make food from sunlight through a process called **photosynthesis**.



Some animals, like fishes and sea turtles, eat the plants. They are like the "customers" in the ocean restaurant.

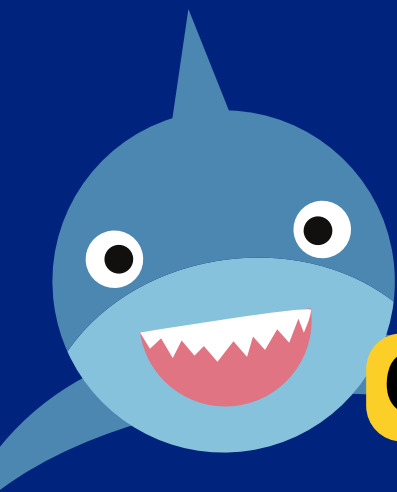


There are also bigger animals, like sharks and whales, that eat smaller animals like fish and sea turtles. They help to maintain the balance of the ecosystem.



Corals are like underwater builders; they are tiny animals that create colorful homes called '**coral reefs**'.

All of these living things work together to create a healthy and balanced marine ecosystem. They rely on each other to survive, just like how everyone in a team has an important job to do.



OCEAN ANIMALS



Find the words listed below and mark them.

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

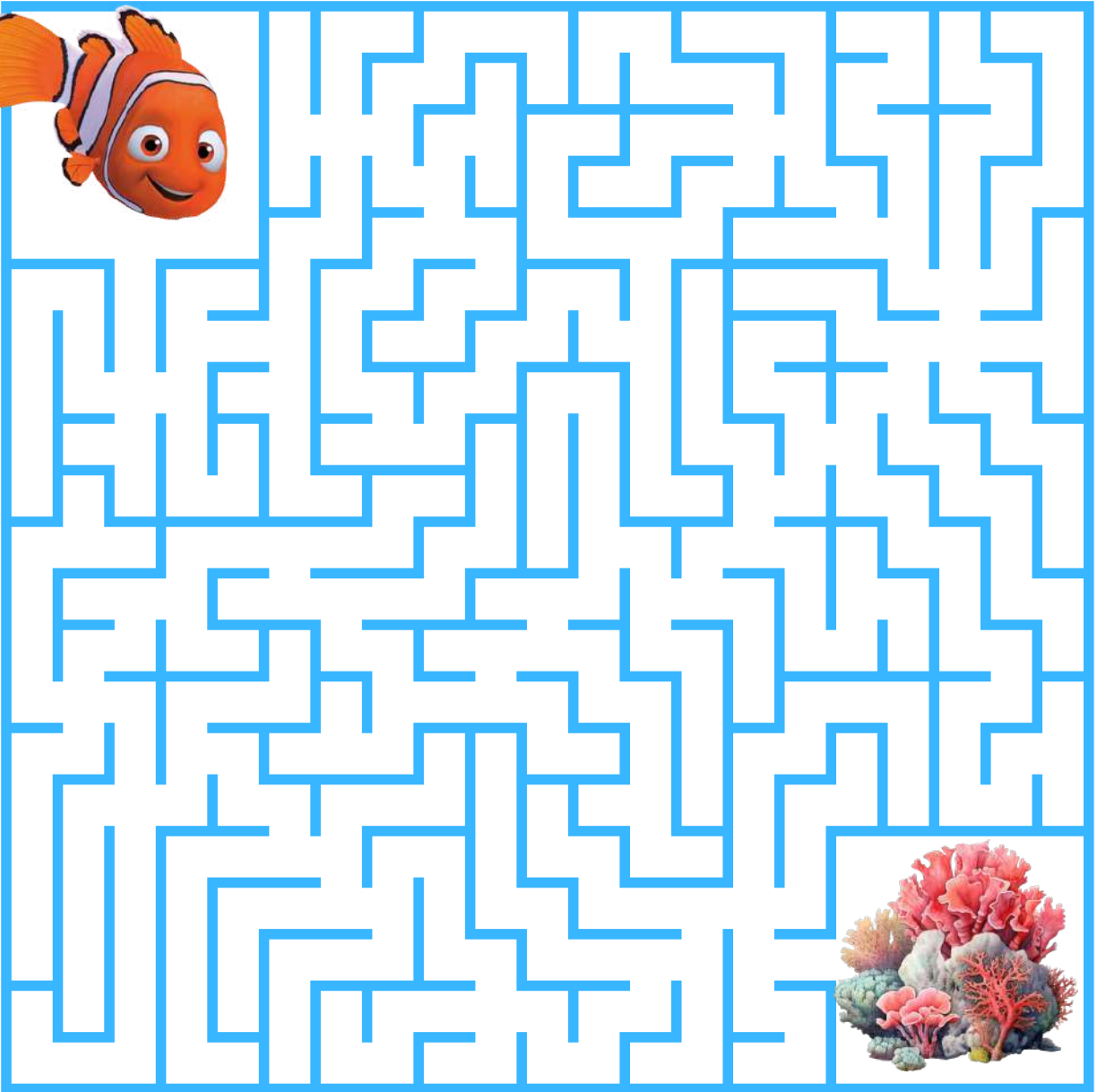
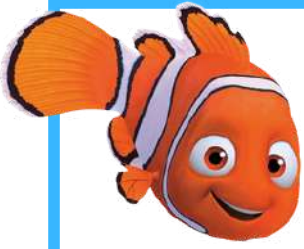


- CRAB
- CLOWNFISH
- WHALE
- JELLYFISH

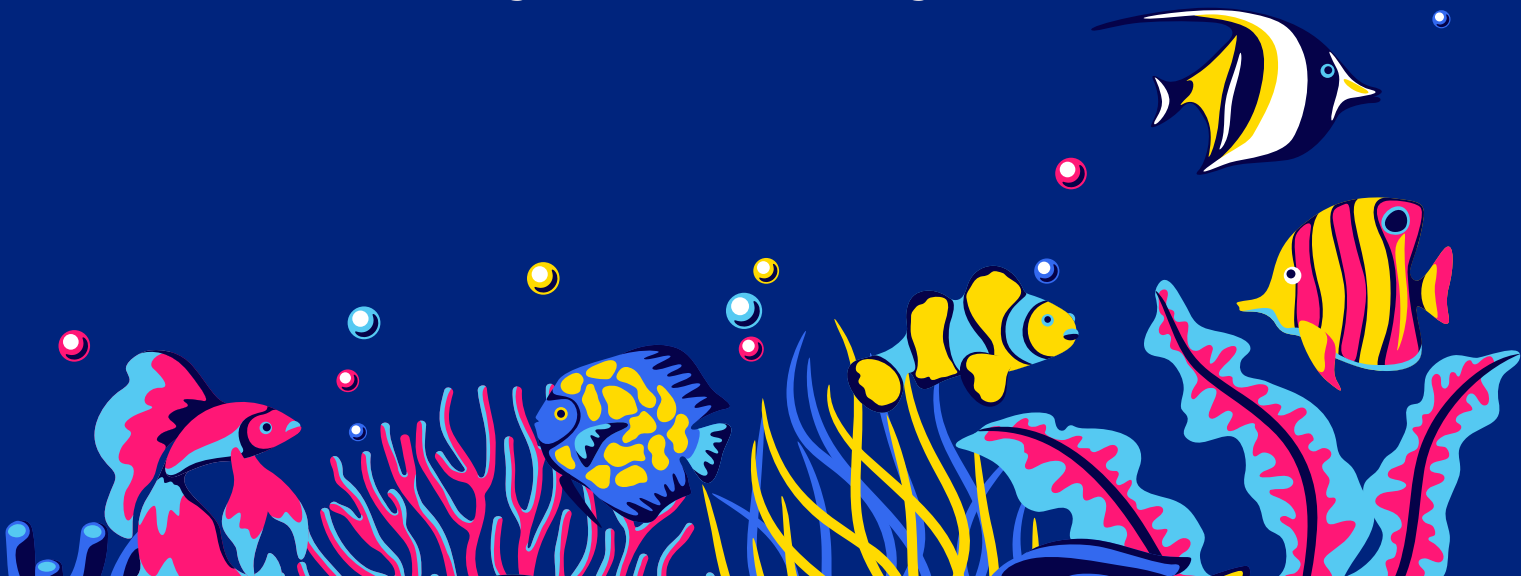
- SEAL
- SQUID
- DOLPHIN
- OCTOPUS

- TURTLE
- STARFISH
- SHARK
- SEAHORSE





Our little fish friend, **Nemo**, needs your help to find his way back to his natural habitat. Are you ready to navigate through an exciting maze and guide Nemo safely home?





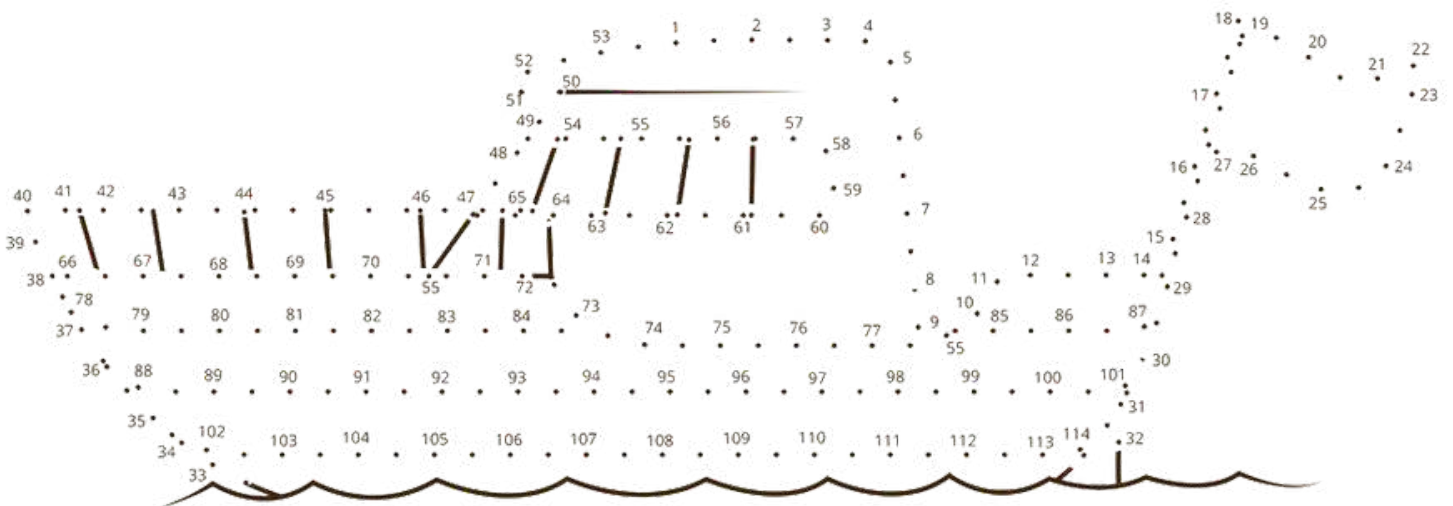
Oceans are like giant, underwater neighborhoods where fish and other creatures live. They're **super important** because they make the **air we breathe**, give us **yummy fish to eat**, and even **help scientists discover new medicines** to keep us healthy. People who live near the ocean often have jobs like fishing, and when we go to the beach, we're enjoying the cool things the ocean does for us, like **making the weather just right!** It's like a big, watery playground that we need to take care of so everyone, including the fish and us, can be happy and healthy.



Agriculture & Food

Oceans are like big grocery stores for us! They give us delicious seafood, like fish and shrimp, that we eat for dinner. Fishermen catch these tasty treats from the ocean and then sell them so we can eat them. The water from the ocean helps farmers grow fruits and vegetables along the coast. It's like a *giant, watery kitchen* that provides the food we need to grow strong and healthy. So, when we enjoy a yummy salad or a juicy fruit, we can thank the ocean for playing a big role in putting that food on our plates.

COMPLETE THE DOTS AND COLOR THE WATER VEHICLE:



Trade & Transportation

Big ships travel across the ocean, bringing us toys, clothes, and treats from different parts of the world. So, when you unwrap a new toy or enjoy a tropical fruit, it's like a special delivery from the ocean, helping us exchange and enjoy cool things with people everywhere! The ocean is a *global delivery service* connecting us to different countries, so we can share what we all have. It's like a big team where everyone helps each other.



Oxygen Production

The ocean has tiny, invisible gardeners called *phytoplanktons* that use sunlight to create the oxygen we breathe through a special process called **photosynthesis**. So, when we take a breath, we should thank the ocean for working like a magical air-maker and ensuring that we have the fresh and clean air we need to stay healthy and happy.



Livelihood

The ocean is like a big helper for people's lives and jobs. It helps scientists find new medicines and farmers use the ocean's water to grow yummy fruits and vegetables. The ocean also *provides jobs* to fishermen who catch seafood and a few individuals who are part of the tourism community, while other people work on big ships that sail across the ocean, bringing us things from faraway places.



SPOT THE DIFFERENCES

Can you circle 5 differences between the two pictures?

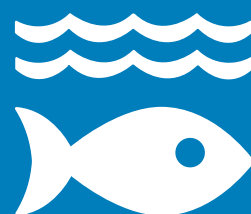




Sustainable Development Goals are like a team of superheroes from all over the world who come together to make our planet a better and happier place for everyone.

There are 17 amazing goals, and one of them is super special because it focuses on our oceans and seas. It's called **Goal 14: 'Life Below Water'**.

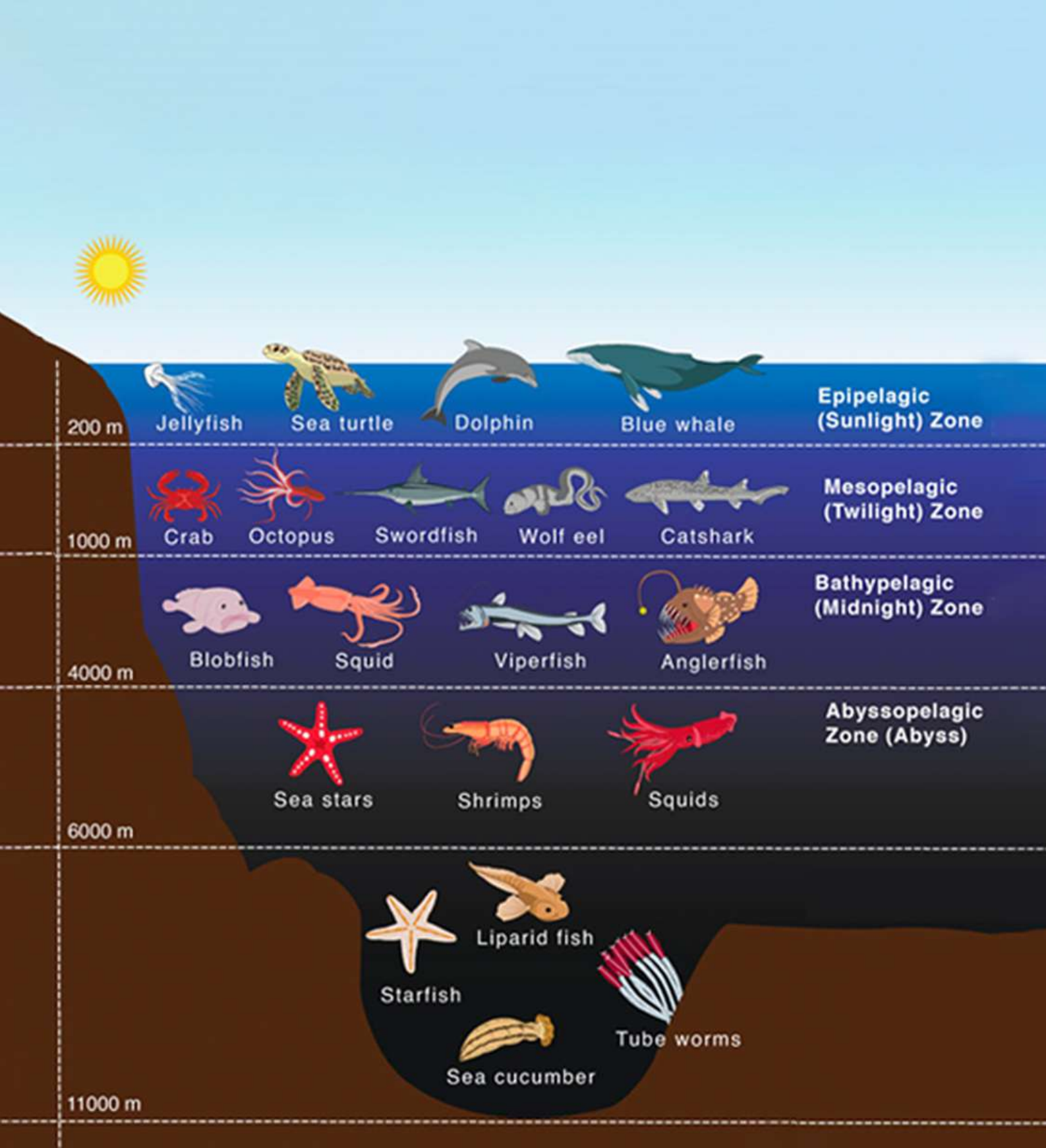
14 LIFE
BELOW WATER





Imagine Goal 14 as a guardian for the ocean, like a superhero with the mission to keep our oceans healthy and full of life. This goal is like a superhero for the oceans! Its mission is to **make sure our oceans are healthy and full of life**. It wants to protect underwater animals, keep the water clean, and make sure everyone can enjoy the beauty of the sea.

SO, GOAL 14 IS LIKE A BIG, IMPORTANT FRIEND FOR THE OCEAN, MAKING SURE IT STAYS HAPPY AND THRIVING FOR A LONG, LONG TIME.



Layers of the ocean

Can you figure out where your favorite cartoon characters live?



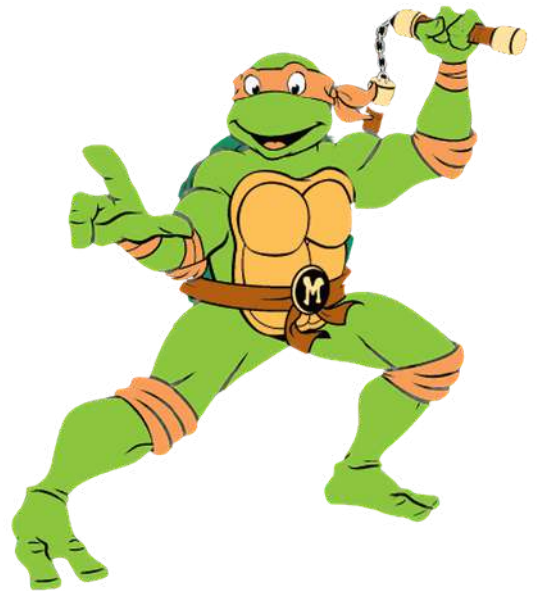
Patrick the starfish: SpongeBob SquarePants



Sebastian the Crab: The Little Mermaid



Squidward the Squid: SpongeBob SquarePants

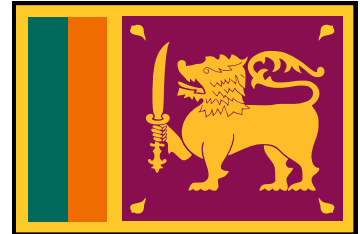


Michelangelo: Teenage Mutant Ninja Turtle

Do you know about the *South East Asian region* and the big ocean that's right next to it? South Asia is a fascinating area with several countries and few water bodies.

LET'S FIRST MATCH THE COUNTRY WITH ITS FLAG

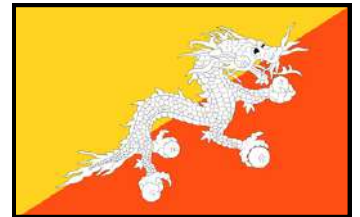
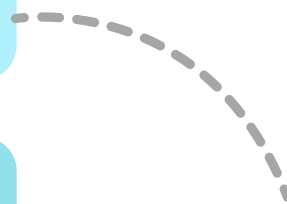
Bangladesh



Bhutan



India



Myanmar



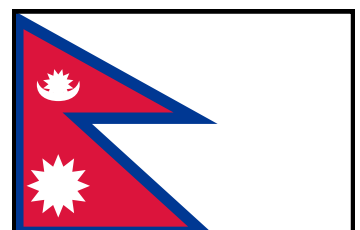
Nepal



Sri Lanka



Thailand



Let's dive into the amazing world of waters in South East Asia

The **Indian Ocean** is a big and beautiful ocean near the south of Asia. It's like a giant bathtub where dolphins swim and waves dance.

The **Arabian Sea** is in a cosy corner of the Indian Ocean, near countries like India. It's where sailors set off on exciting adventures!

The **Pacific Ocean** is the biggest ocean in the world. It's like a giant blue playground! It is also home to many sea creatures, including colorful fish and playful whales.

The **Bay of Bengal** is like a big bathtub near the countries of India and Bangladesh. It is where the monsoon rains bring water for plants and animals.







FUN FACTS!



1. The **ocean covers around 71%** of the Earth's surface! This is why our Earth is commonly called the "blue planet."
2. The deepest part of the ocean is the **Mariana Trench** in the Pacific Ocean, and it is almost 7 miles deep!
3. **Jellyfish** are not really fish, and they don't have a heart, a brain or a backbone!
4. The ocean is like an unexplored treasure chest. **We've only explored less than 5% of the ocean floor.** Who knows what exciting discoveries are waiting for us?
5. Some ocean creatures known as the '**Deep-sea Creatures**' can glow in the dark! They use their cool lights to see and talk to each other in the deep, dark parts of the ocean.



WATER WATER EVERYWHERE, NO WATER TO DRINK

'Seawater' is what we call the water in the big, big ocean, and it has a lot of salt in it. A little bit of salt is okay for us, like when we eat our snacks, but the salt in the seawater is too much for our bodies. So, **even though the ocean water is all around us, we can't drink it** because it has too much salt in it for us. We need to drink clean, treated, and safe water that does not have too much salt in it to stay healthy!



Your mission, should you choose to accept it, is to conserve water using the following tips...



Next time it rains, let's collect some rainwater in buckets. We can use it to give our plant friends a drink

When you're done washing your hands or brushing your teeth, make sure to turn the magic tap off really tight.



Wash fruits and vegetables in a basin instead of under a running tap



THINK AND WRITE:

Write down one water-saving practice you already do at your home and one new practice you would like to start doing to save water for your superhero water-saving pledge.

Current Practice:

New Practice:

My Water Hero Pledge:



