

TE RA MOANA O TE AO

WORLD OCEAN DAY

LET'S MAKE A DEAL WITH THE OCEAN



**WORLD
OCEAN
DAY
2023**

**LET'S
MAKE A DEAL
WITH
THE OCEAN**

Help protect our Ocean



An underwater photograph showing a large school of fish swimming over a coral reef. The water is clear and blue, with sunlight filtering through the surface. The fish are of various species, including some that look like snappers or groupers. The coral reef is visible in the lower left corner, with various types of coral and rocks.

IT ALL STARTS HERE...

Educators' guide

There are many challenges facing the Ocean. But the momentum to solve them is growing. We all have a part to play in this. Over a third of global fish stocks are exploited at an unsustainable rate. We need to change this. Our individual actions can add up to a bigger change. World Ocean Day is a chance to shine a spotlight on how we can make a deal to protect the ocean.

This presentation is designed to support the World Ocean Day learning activities, suitable for learners aged 9+ across science and social science, with the opportunity to get creative with art or creative writing too.

Use slides 3-4 to start your activity, then choose your sustainability path – social, environmental or economic, and use other slides to support your path.

Finally, learners can think about the actions people can take, and make their deal with the Ocean.

WHY DO WE NEED THE OCEAN?



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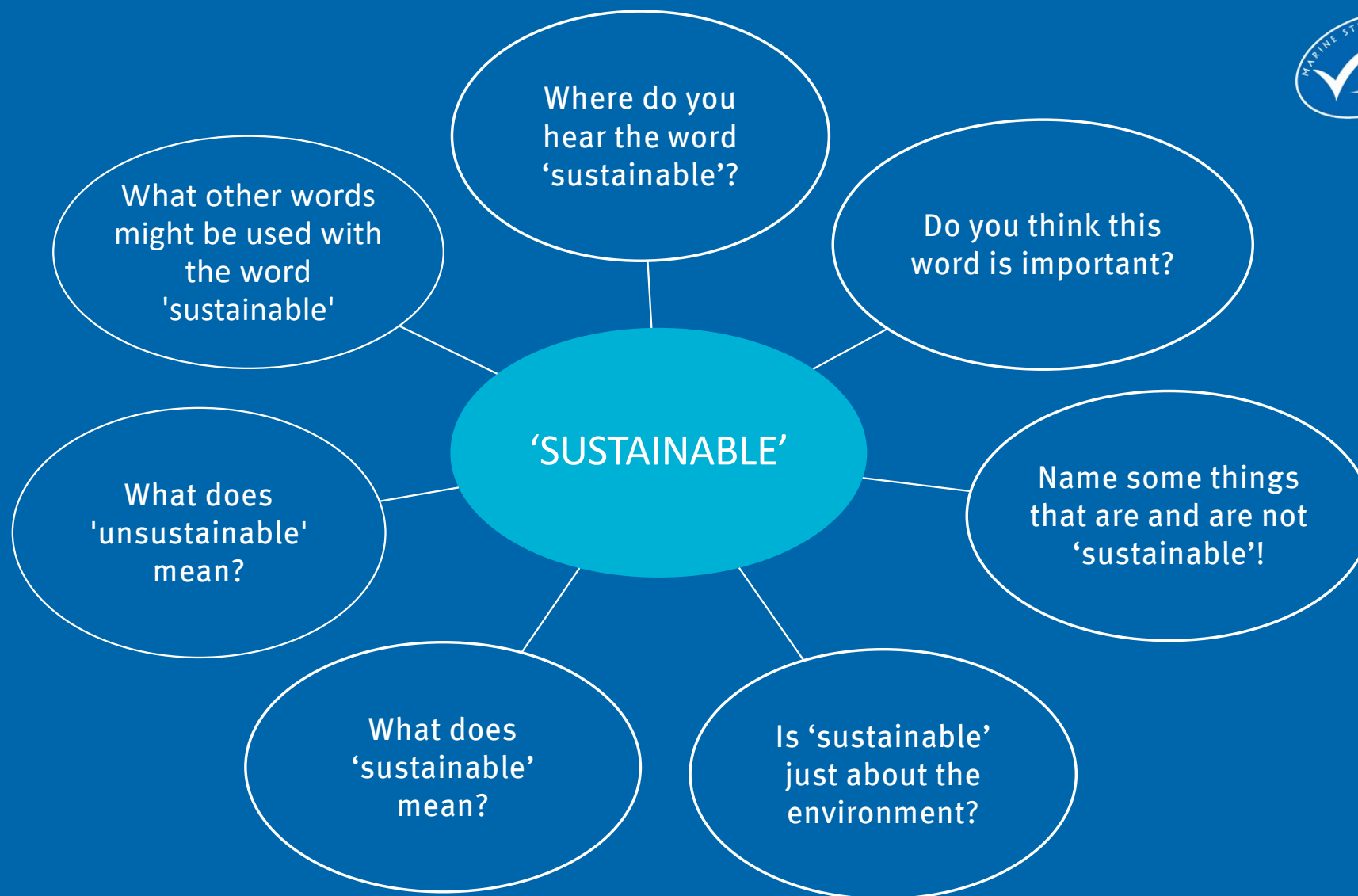
Your reasons



Social	Environmental	Economic
e.g. swimming	e.g. ocean plants and animals	e.g. fishing

SOCIAL PATH



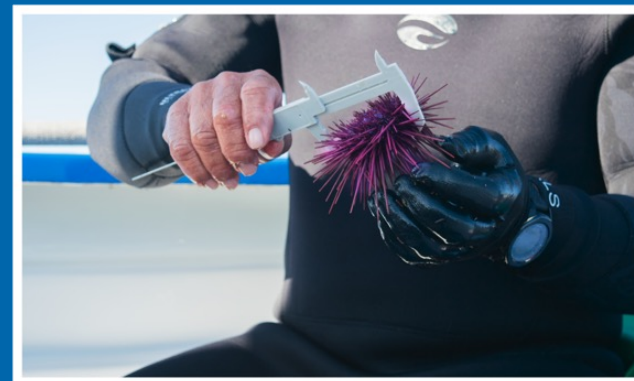


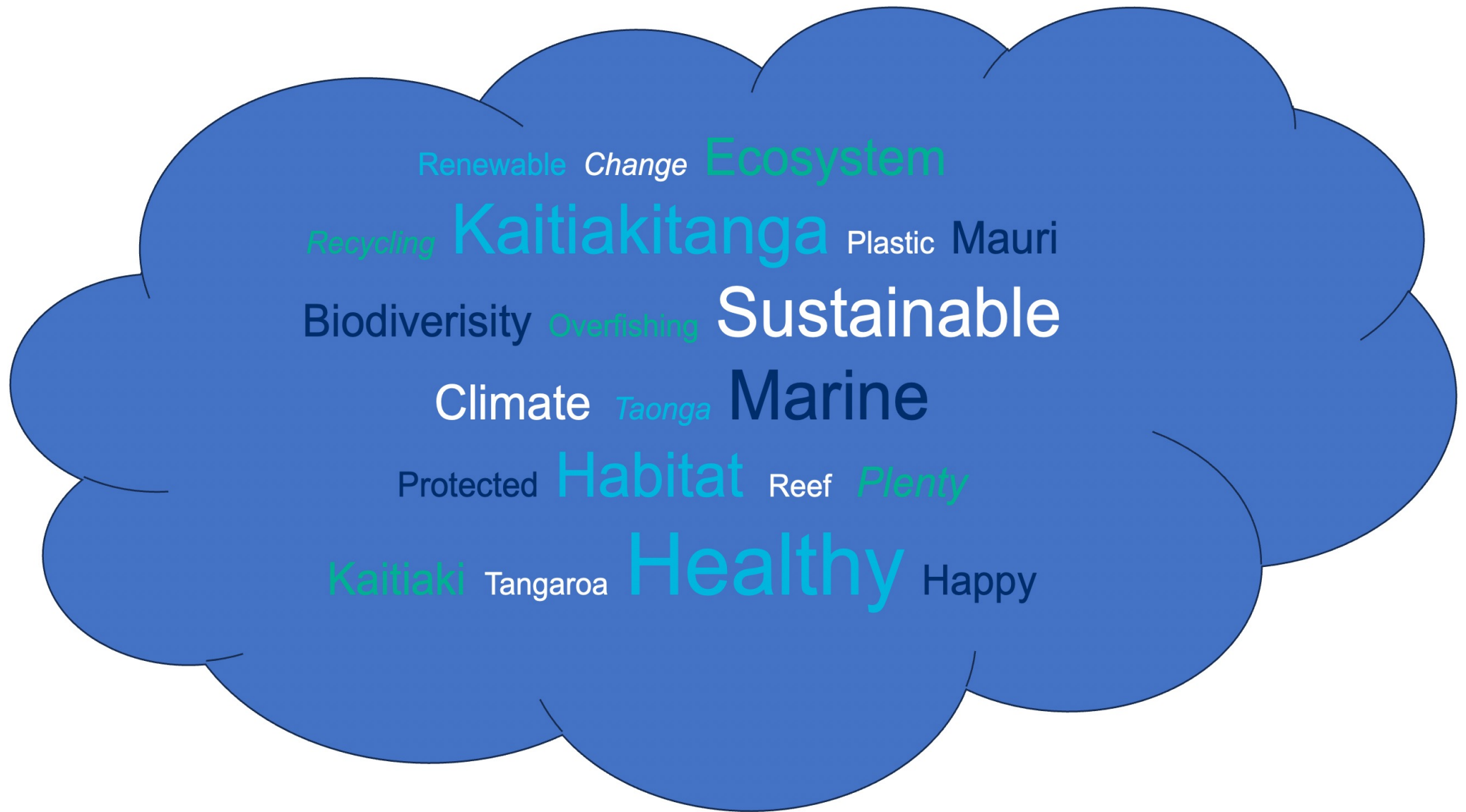












Renewable Change Ecosystem

Recycling Kaitiakitanga Plastic Mauri

Biodiversity Overfishing Sustainable

Climate Taonga Marine

Protected Habitat Reef Plenty

Kaitiaki Tangaroa Healthy Happy

ENVIRONMENTAL PATH



WE ALL NEED TO EAT! BUT WHY?

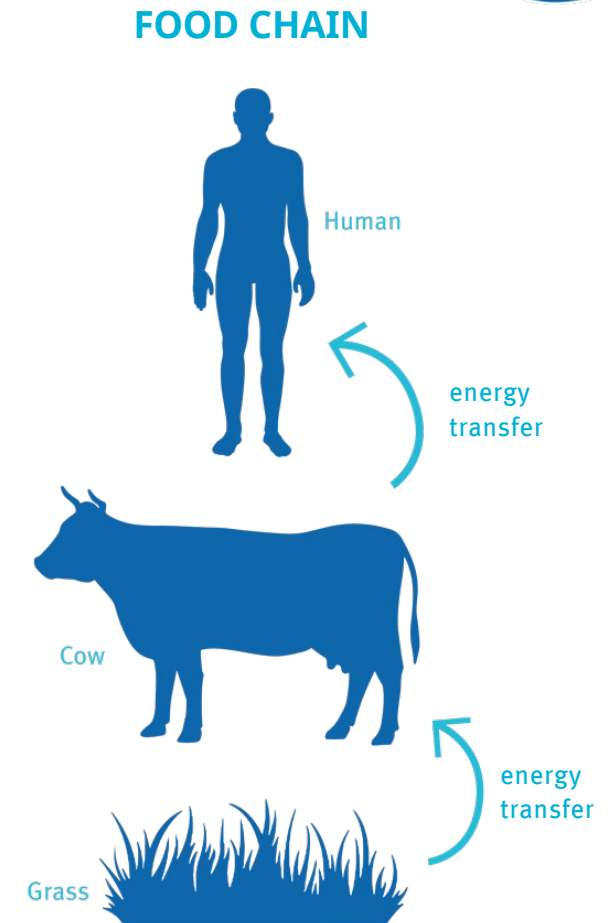
- We all need to eat to live!
- All living things – including us! – need energy, and we get it from food.
- We use the energy from food to breathe, move and use our bodies. We also store energy in our bodies.
- Plants get their energy from the sun.



ENERGY TRANSFER



- Some animals eat plants, and others eat other animals. Some eat both!
- When an animal eats another animal or a plant, energy is transferred from one organism to another.
- If that animal is eaten, energy transfers again. This is called a **food chain**.
- The arrows show the flow of the energy from one animal to another





WE CAN LABEL PLANTS AND ANIMALS ACCORDING TO THEIR ROLE IN THE FOOD CHAIN

- Plants are **producers** get their energy from the sun.
- **Consumers** and get their energy from eating plants, other animals, or both.
- Sort these living things into a list of producers and a list of consumers?

Broccoli	Shark
Human	Seeds
Plankton	Shrimp
Seal	Seagrass
Fish	Turtle
Chicken	

CAN YOU MAKE A FOOD CHAIN FEATURING SOME OF THESE PLANTS AND ANIMALS?



Broccoli	Shark
Human	Seeds
Plankton	Shrimp
Seal	Seagrass
Fish	Turtle
Chicken	

Which organisms are at the top of the food chain?

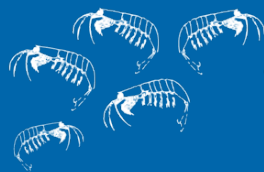
MORE ABOUT FOOD CHAINS



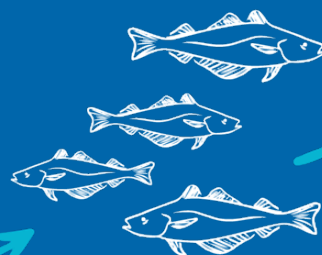
- **Primary consumers** get their energy from plants.
- **Secondary consumers** get their energy from other animals.
- Animals at the top of a food chain are **apex predators**.
- **Decomposers** get their energy by breaking down other organisms when they die.
- This could be a fungus growing on a tree, or starfish eating a whale at the bottom of the ocean.

Can you identify a producer, a primary consumer, a secondary consumer and the apex predator in this food chain?

PHYTOPLANKTON



SHRIMP



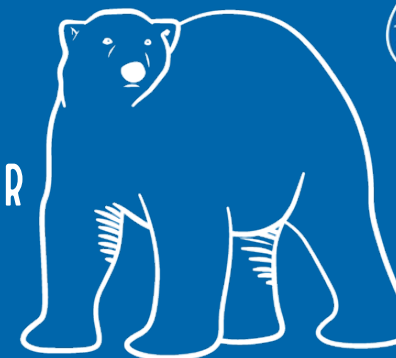
FISH



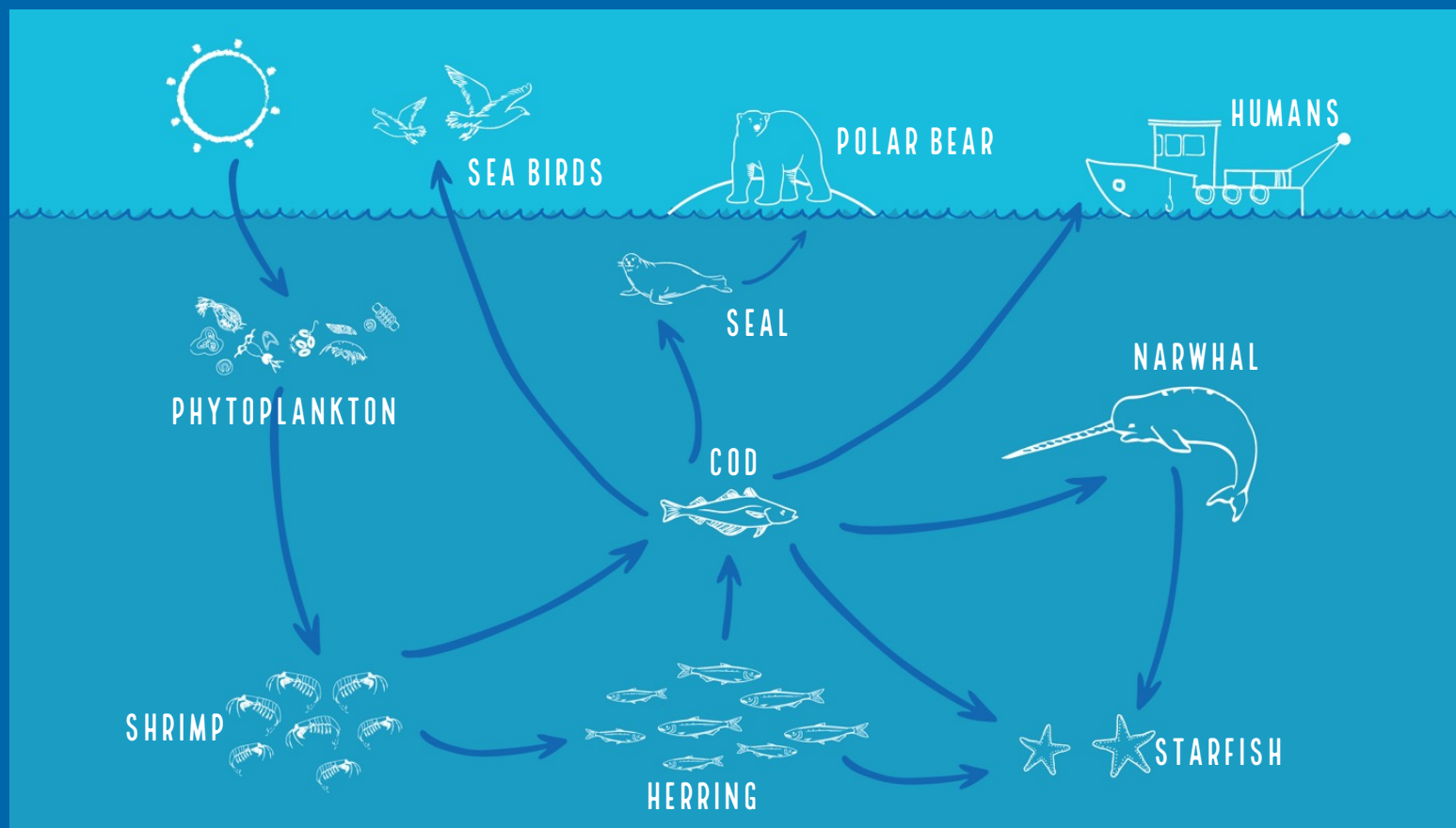
SEAL



POLAR BEAR



Most animals eat more than one thing! So we often need to make a food web to understand energy transfer better.



Can you identify the producer, consumers and apex predators in this food web? Which animal is the decomposer?

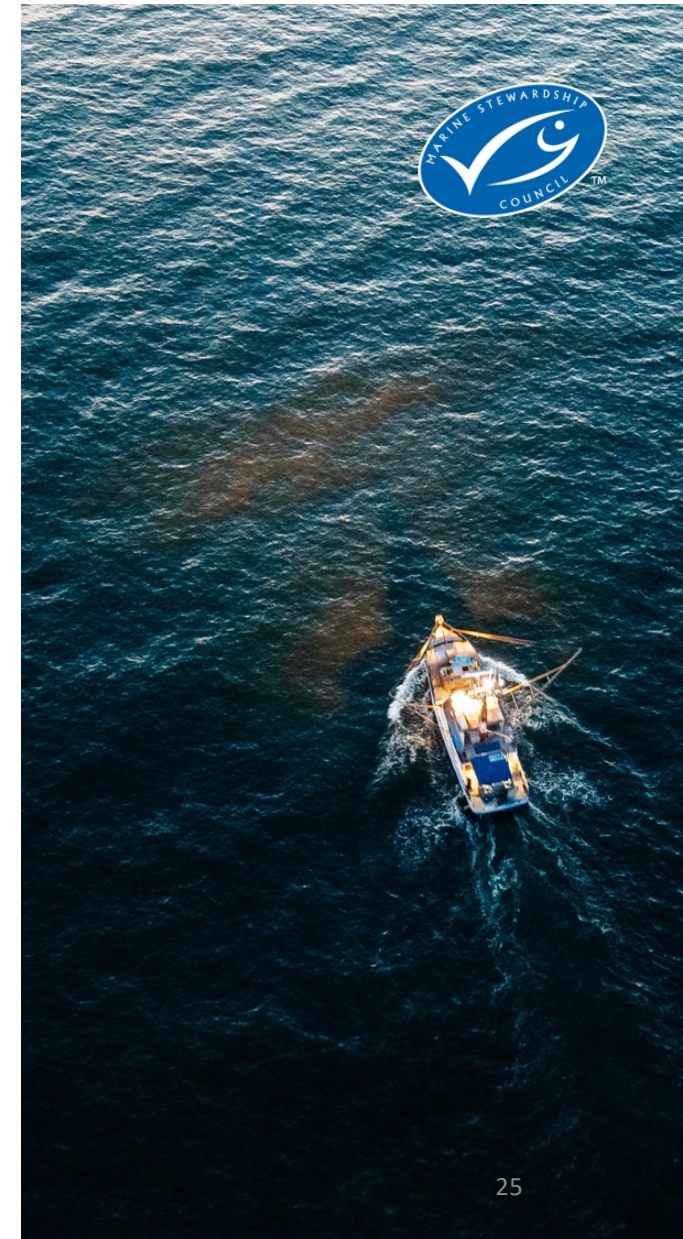
ECONOMIC PATH





FISHING IS BIG BUSINESS

- Many communities around the world depend on the fishing industry for food and income.
- For many people fishing is their livelihood.
- **3.3 billion people** get at least 20% of their daily animal protein intake from fish There are **39 million fishers** around the world, catching wild fish and seafood from our ocean
- Over 50% of the world's traded seafood comes from **low- and middle- income countries**
- Up to 10% of the global population relies on fisheries for their livelihood. *Fisheries are groups of fishers, fishing boats or an area of the ocean where fish are caught to sell*
- 84% of the people who work in the fisheries sector are in Asia, 10% live in Africa (9%) and 4% live in Latin America and the Caribbean.





OUR OCEANS ARE UNDER THREAT
FROM HUMAN ACTIVITY AND THAT
MEANS THE FUTURE OF OUR FISH
AND SEAFOOD IS TOO

THE NUMBER OF MARINE
CREATURES LIVING IN THE OCEAN
HAS DECLINED

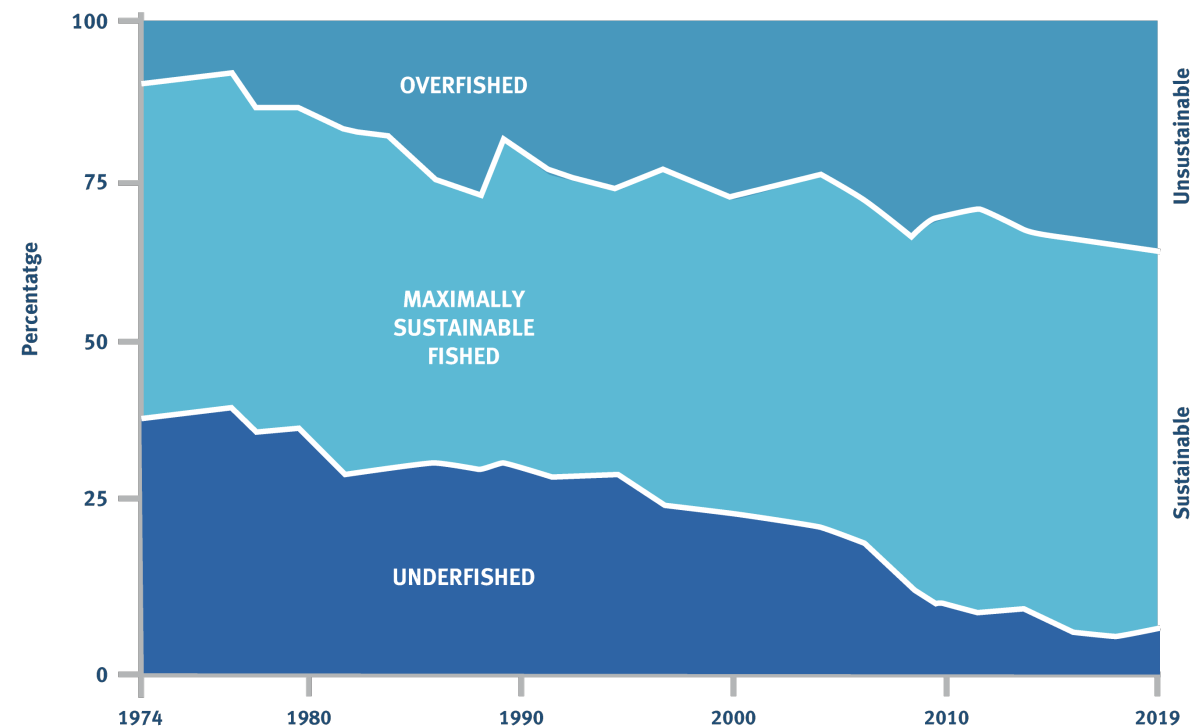


OVERFISHING IS A SERIOUS
GLOBAL PROBLEM THAT
THREATENS OCEAN
WILDLIFE LIVELIHOODS
AND SEAFOOD FOR FUTURE
GENERATIONS

TODAY A THIRD OF GLOBAL
FISH STOCKS IS STILL
OVERFISHED SO THERE IS A
RISK SOME SPECIES COULD
DISAPPEAR FOREVER



MARINE FISHERIES SUSTAINABILITY



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SUSTAINABLE FISHING
MEANS LEAVING ENOUGH
FISH IN THE OCEAN AND
PROTECTING HABITATS AND
THREATENED SPECIES BY
SAFEGUARDING THE OCEANS
PEOPLE WHO DEPEND ON
FISHING CAN MAINTAIN
THEIR LIVELIHOODS

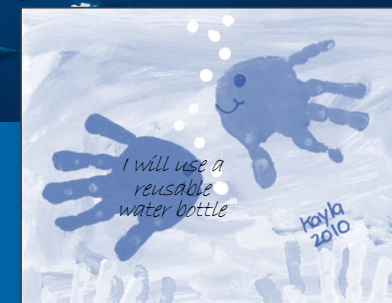




MAKE YOUR DEAL TO PROTECT THE OCEAN



[DOWNLOAD HERE](#)





- The Ocean sustains our whole planet
- It helps regulate the climate and provides over half of world's oxygen
- It provides food and livelihoods for millions around the world.
- It is home to three-quarters of all animal life
- It puts healthy and delicious seafood on your plate
- What will you do?

We can all make a deal
with the Ocean.
What will yours be?

Dear ocean, _____

You are important
to me because... _____

So I promise to ... _____

LET'S MAKE A DEAL WITH THE OCEAN

What can you do?



Discuss with a partner



Make your pledge



Write a letter to the ocean



LET'S MAKE A DEAL WITH THE OCEAN

Help protect our Ocean



#TheOceanandUs