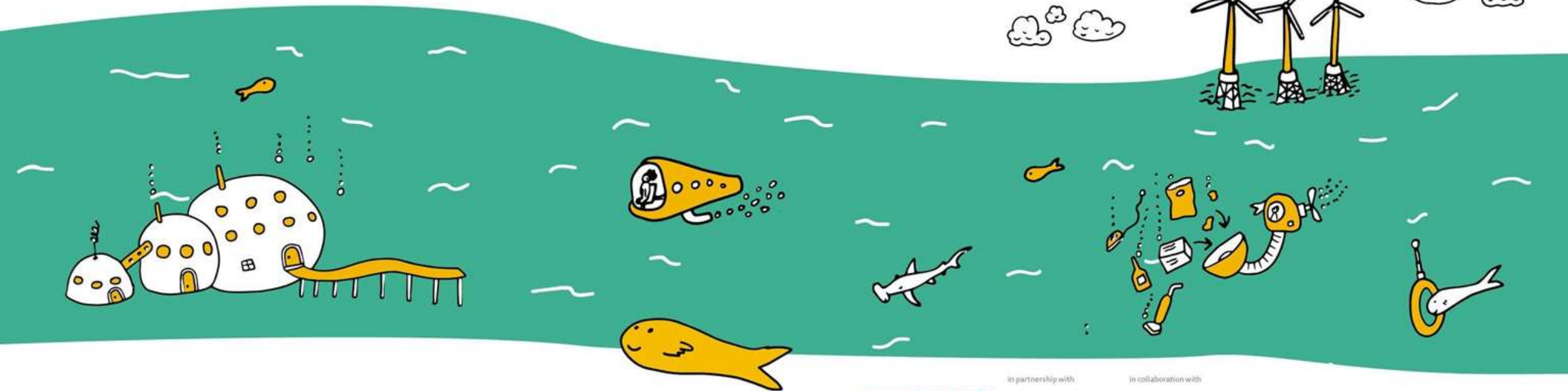


Mission: Protect our oceans

Inventions to change the tide!



NSERC and CCUNESCO want to hear from you!



Take the plunge and become an ocean scientist with a new Little Inventors challenge...



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

To enter the challenge...

...It's simple!

- Find out about oceans!
- Think up and draw an invention
- Share it with us!

Draw BIG, add labels and name your idea!

My ocean invention! Use a black pen, add colour and label the parts.

Date Age

Name

School City

My invention is called:

.....

**What does it do? How does it work?
How does it help protect our oceans?**

.....

.....

.....

.....

.....

.....

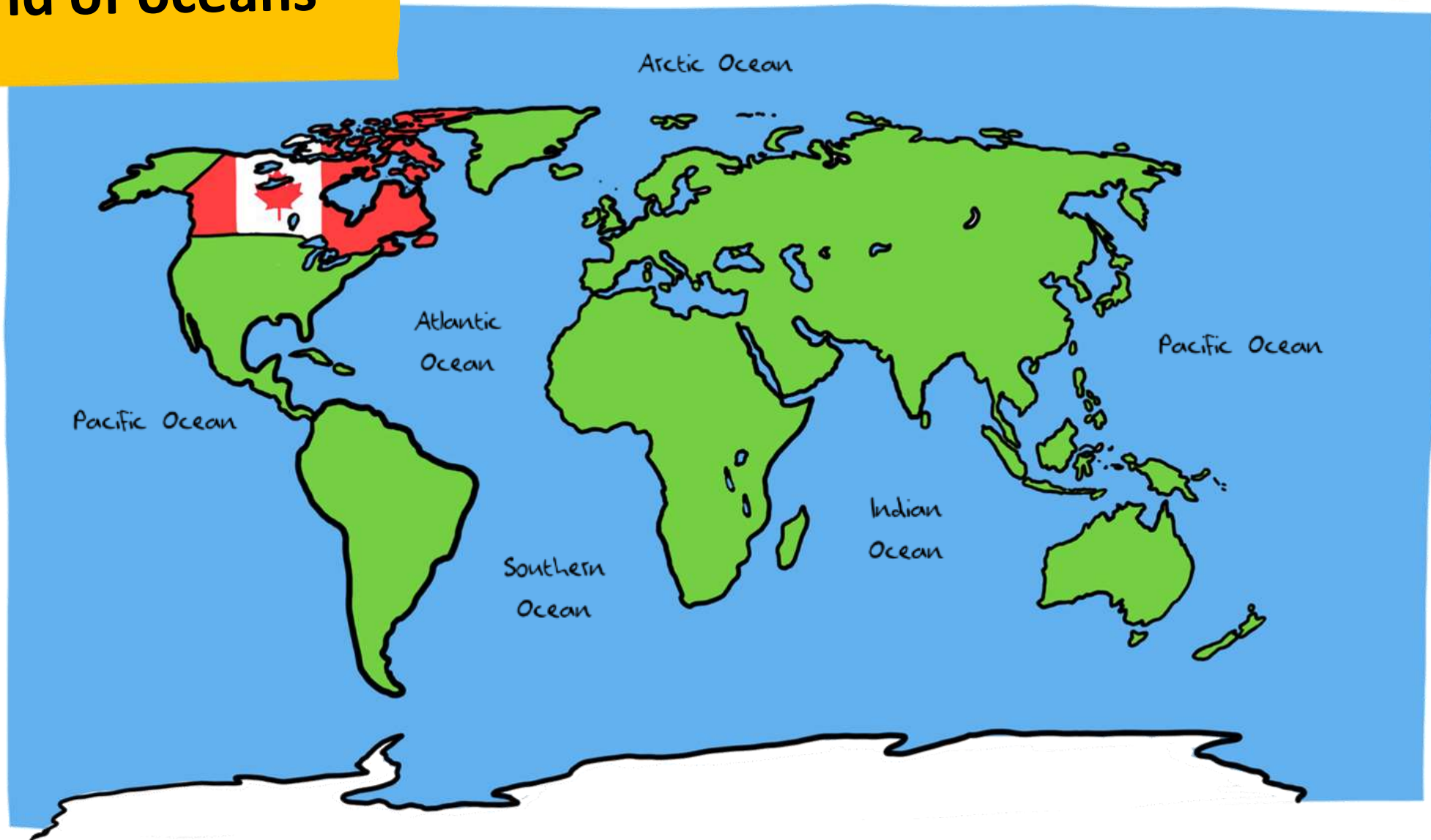
.....

.....

Upload your ideas at: nserc.littleinventors.org to enter the Energy challenge. Who knows, it could be chosen to be made real!

nserc.littleinventors.org

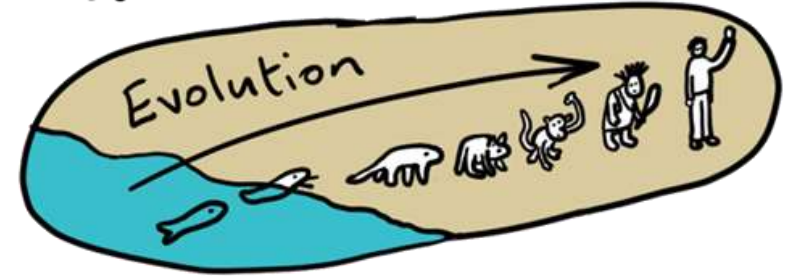
A world of oceans



Mighty oceans!

Covers 70% of the planet

Source of all life



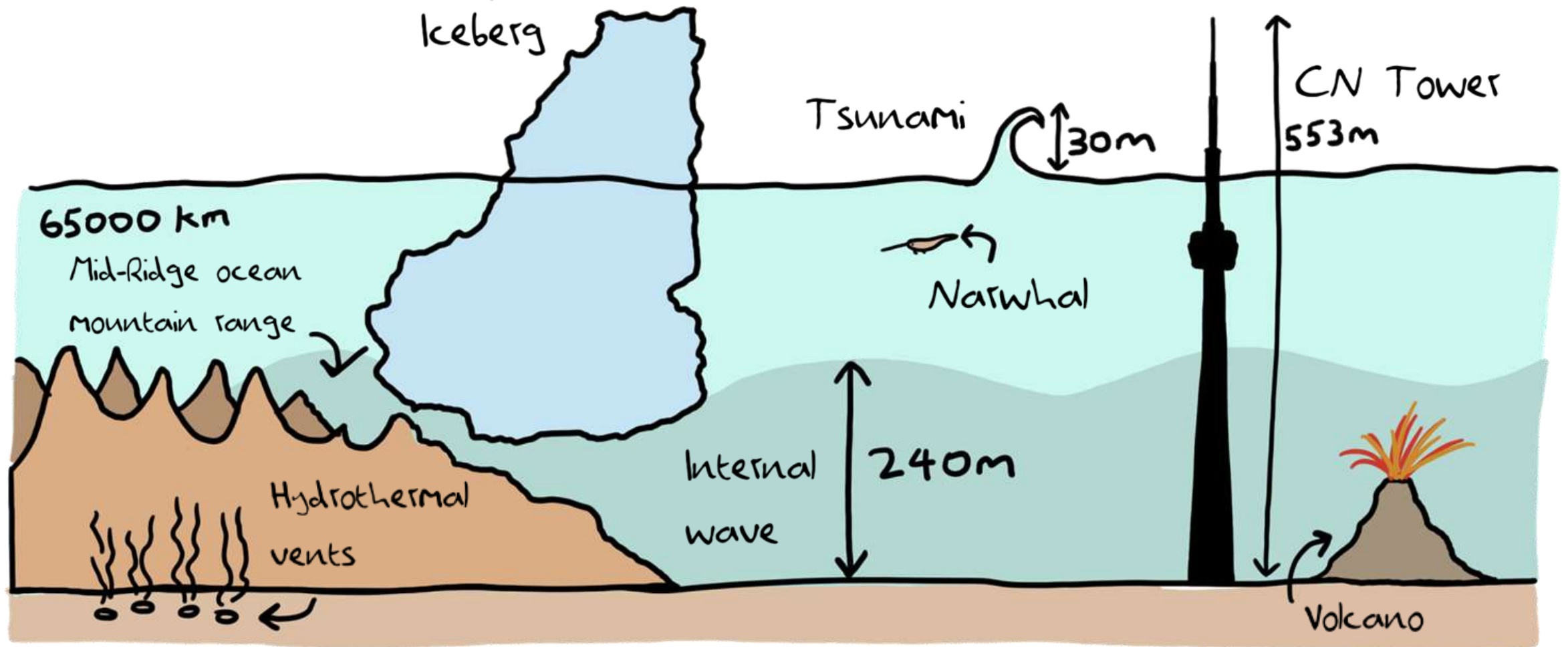
Absorbs carbon
from the air

Millions of unknown species
still to be discovered

More oxygen than
the rainforests



The vastness of oceans

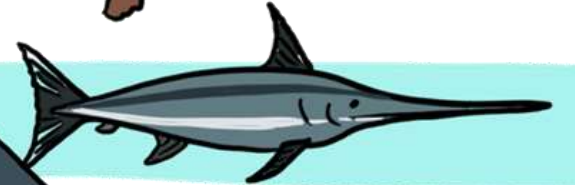
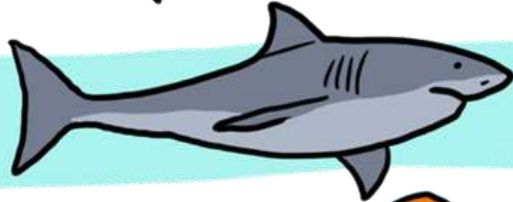


Under the sea!

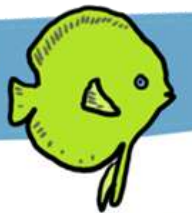
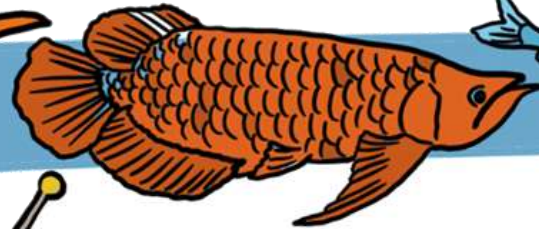
Beach/shores



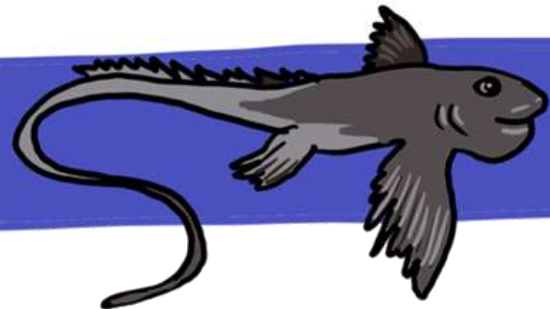
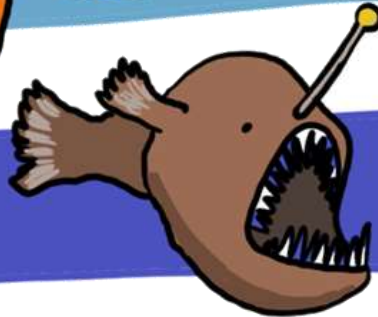
Sunlight zone



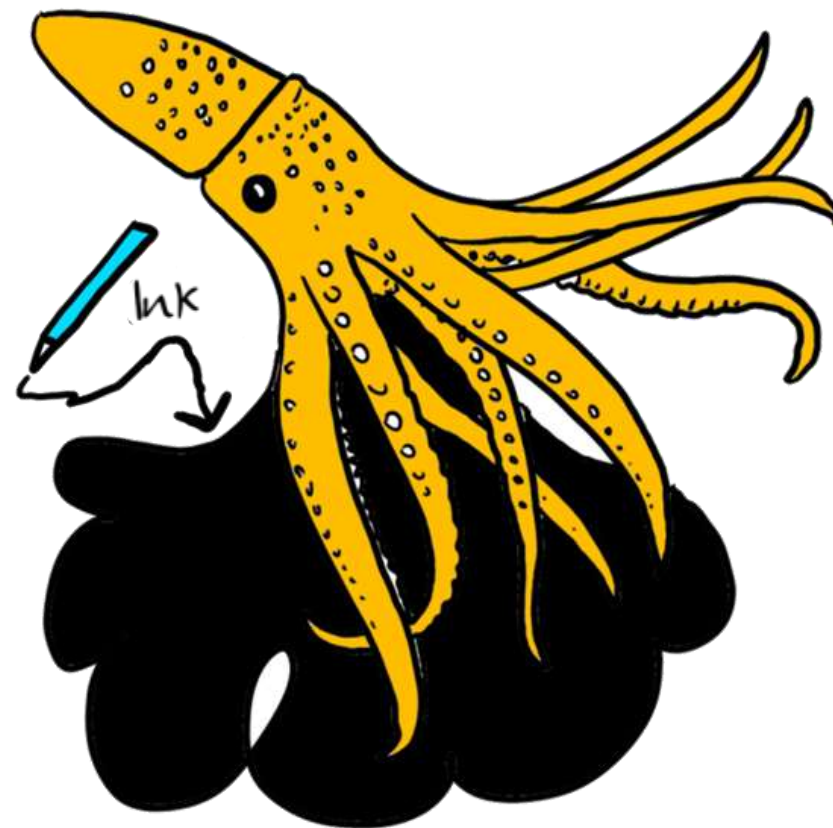
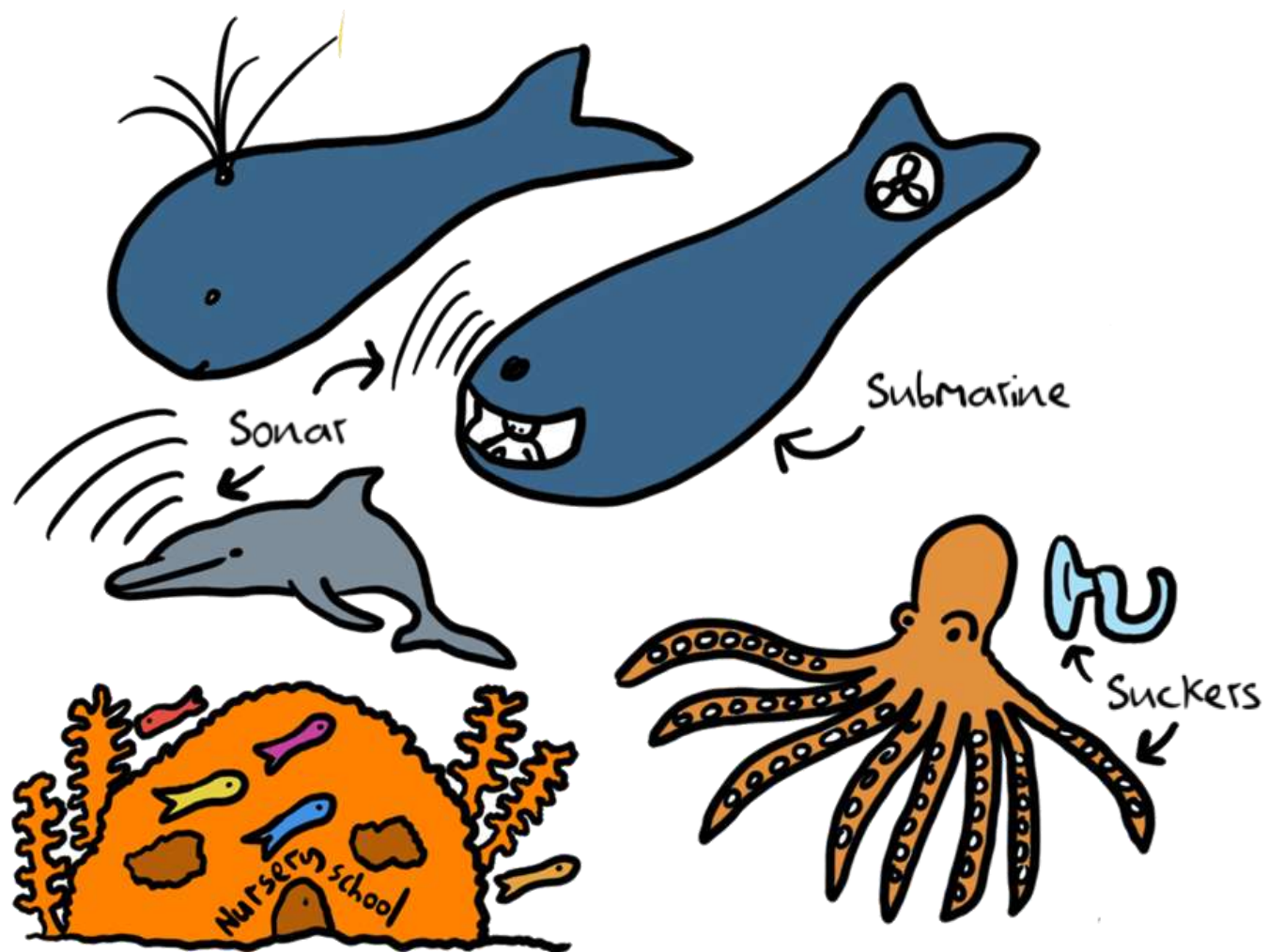
Twilight zone



Midnight zone

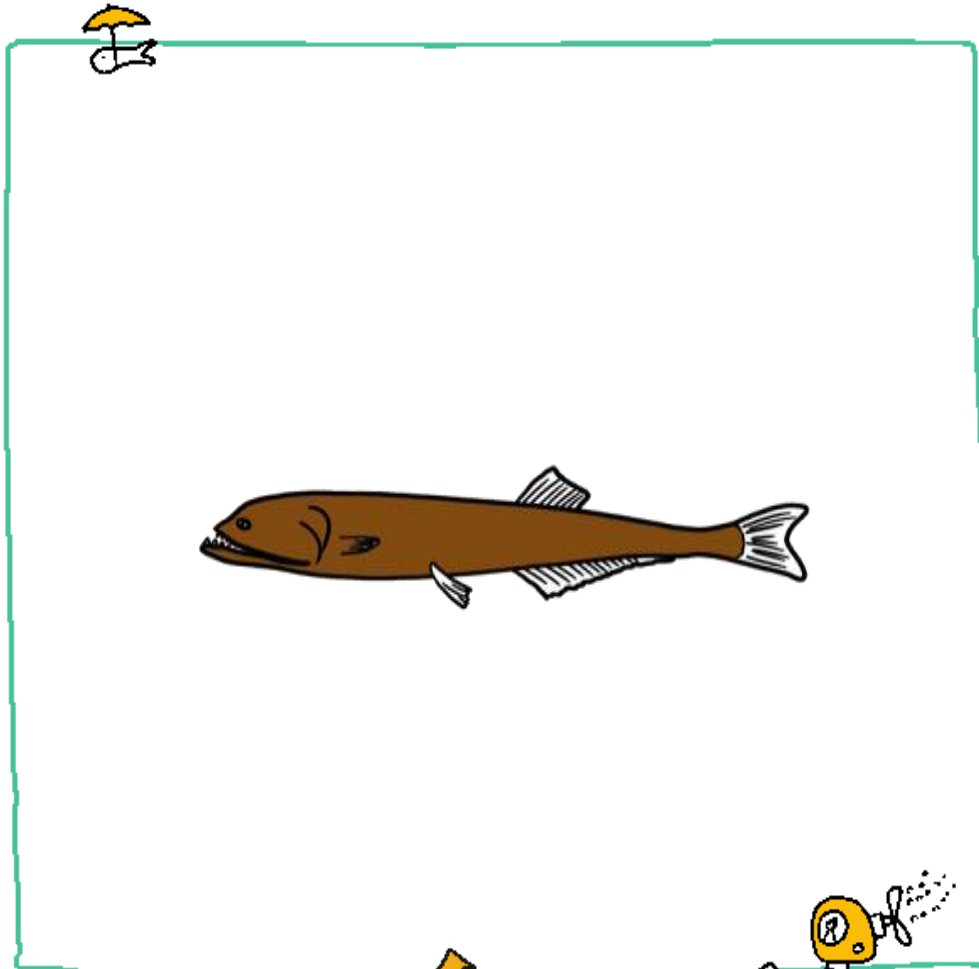


Evolution = invention in slow motion!



Ocean Profiler

Use this profiler to capture information about ocean related creatures or other sea dwellers!



Draw your character here

I am: A Bristlemouth

I live: In the twilight zone

I eat: Plankton

What's special about me: _____

I am the size of a human finger

There are hundreds of trillions of me

I glow in the dark

Main dangers: _____

Can't survive in captivity

How you can help me? _____

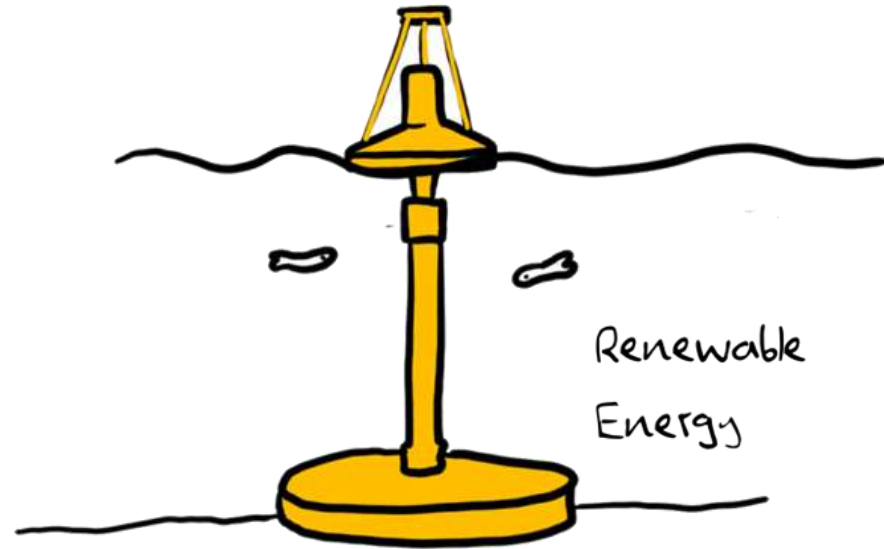
Why we depend so much on the oceans



Food, materials
and medicine



The water cycle



Renewable
Energy



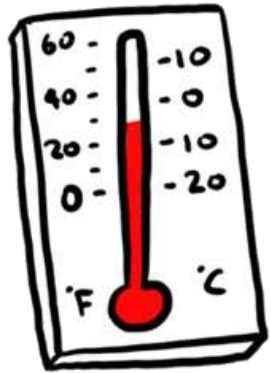
Transport and commerce



Having Fun!

The threats to our oceans

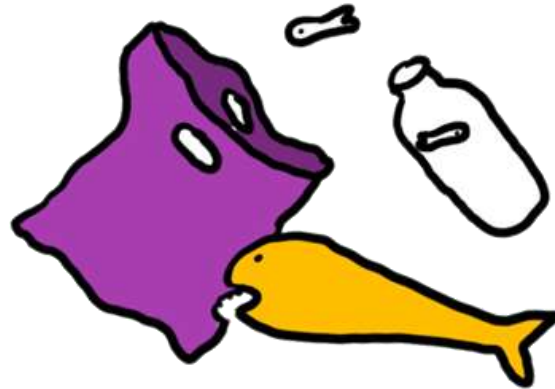
Climate change



Air pollution



Plastic



Rising sea levels



Overfishing

...and their impact

Extreme weather



Less fresh water



Flooding



Less land



Less Food and materials

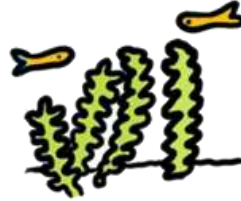


The future we want for the ocean we need



A clean ocean

A healthy ocean



A predictable ocean



A safer ocean



A sustainable
productive ocean



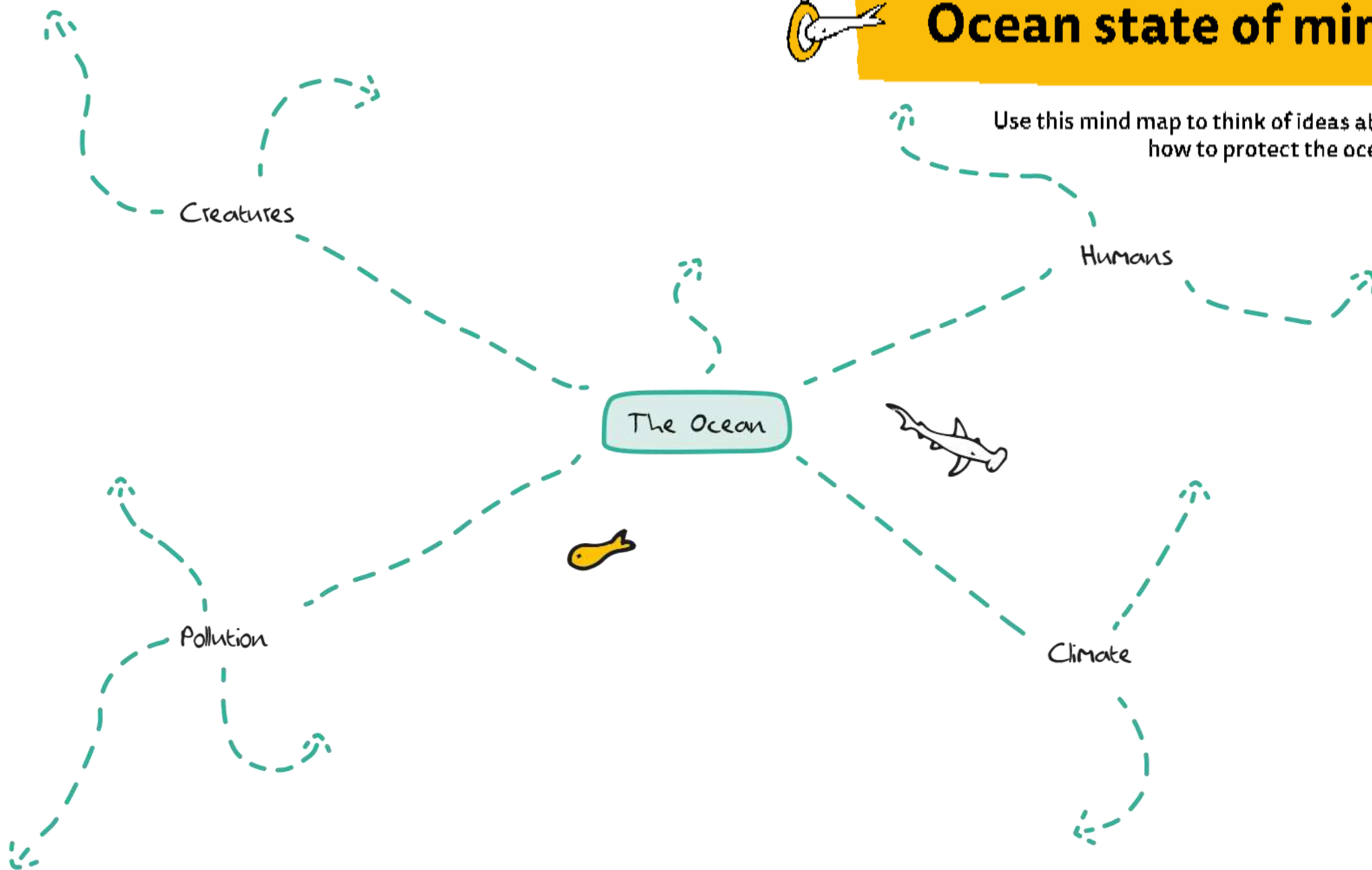
A transparent
ocean

Sustainability means maintaining the world we live in



Ocean state of mind

Use this mind map to think of ideas about how to protect the oceans



Ocean deep dive!

Use this sheet to explore specific ideas or features of the ocean in discussion or research.

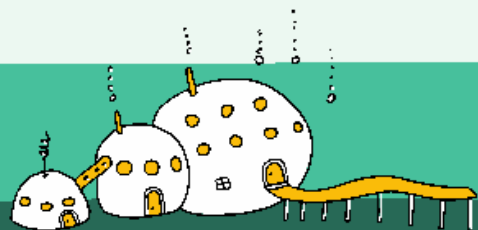
Pick one thing you are interested to explore about the ocean:

What are the threats or problems:

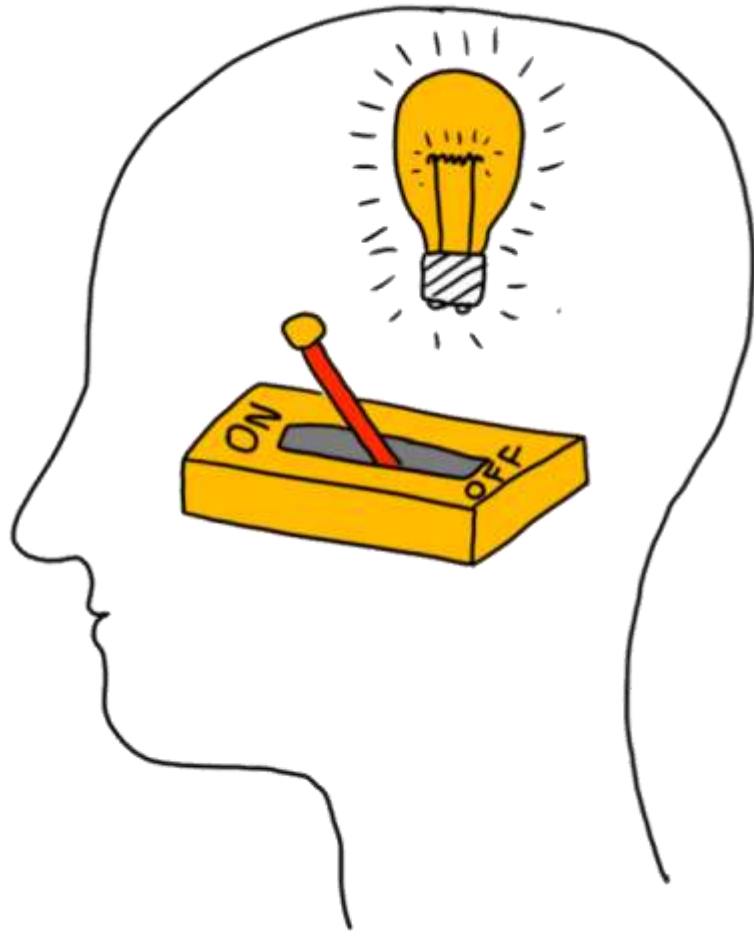
What could the future look like?

What could be done differently:

What information have you found out



Time to turn that invention switch on



How can you help
protect the oceans?

Time to get inventing!



Finding ideas



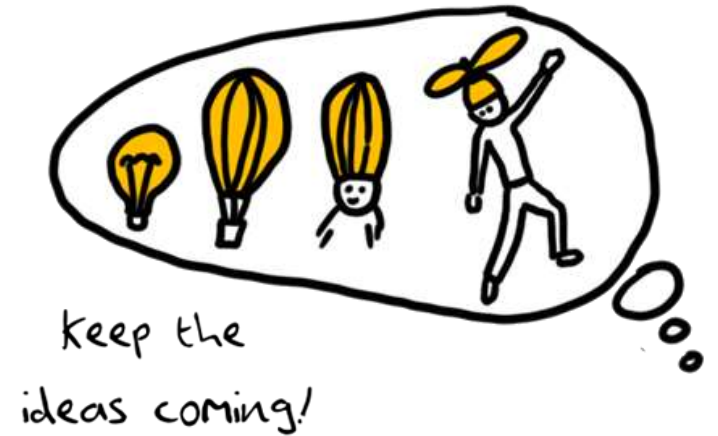
Start simple



Put two things together



Break the rules!



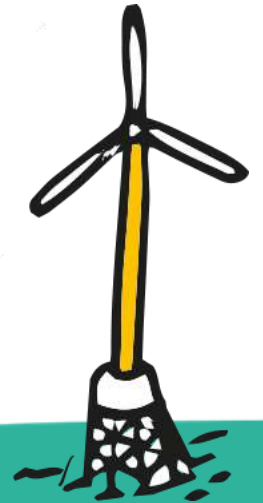
Want to know more?

Check out our next two resources on the Oceans

1. A world of pollution
2. Oceans: Climate power (release date 8 June 2020)

And some other useful links!

- [United Nations Decade of Ocean Science](#)
- [Ocean Literacy portal](#)
- [Fisheries and Oceans Canada](#)





In partnership with



In collaboration with

