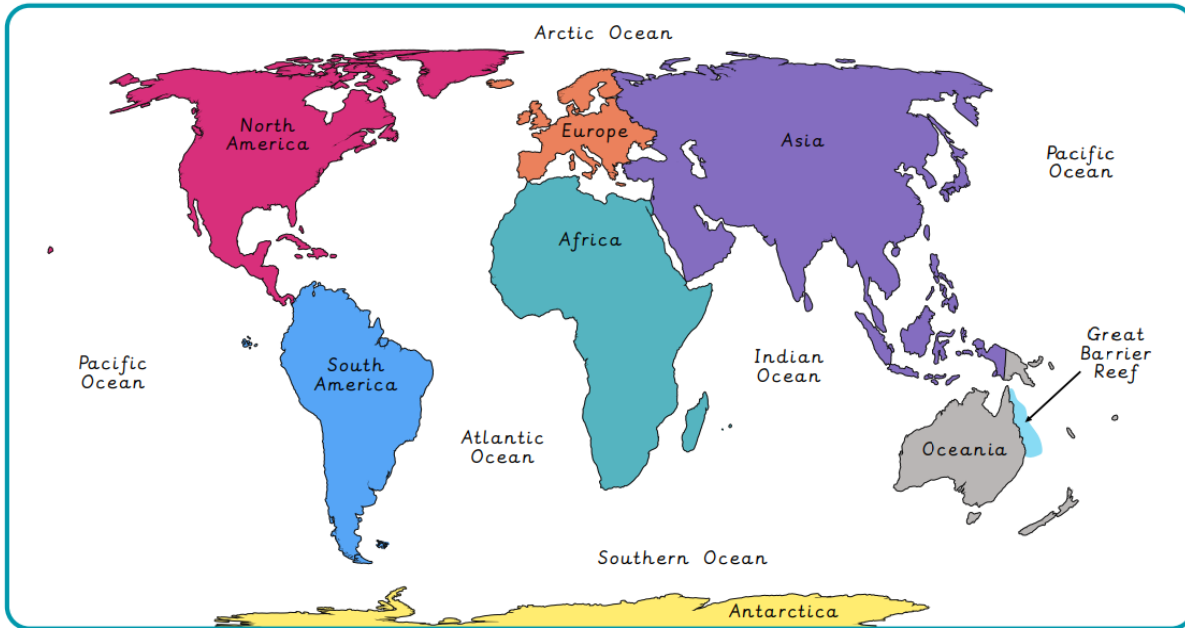


Frogwell School, Year 5, Term 4 Geography: Why do our oceans matter?

Knowledge Organiser

How do we use our oceans? What is the Great Barrier Reef? Why are our oceans suffering?
Why are oceans important?



Why are our oceans suffering?



Why are oceans important?

- They are used for trading between countries.
- Ocean currents influence our weather.
- They provide food and jobs.
- They are used for fun activities.
- They give us ingredients for medicine.
- They absorb carbon dioxide and warm our planet.
- Coral reefs act as a buffer to natural disasters.
- Coral reefs are home to a quarter of our marine species.

Key Vocabulary	definition
Ocean current	Movements of large areas of sea water, driven by wind, gravity and water density.
Coral reef	A large rock structure in the ocean formed by corals
Coral bleaching	A process which turns the coral white, losing its colour.
Marine	Relating to the ocean
Threat	Something likely to cause damage
Climate change	A change in the earth's weather conditions over many years, partly affected by human activity like burning fuels.
Evaporation	When liquid turns to gas, for example water to water vapour.
microplastics	Tiny pieces of plastic created from plastic waste
acidification	A process of making something acidic
scale	A way to represent something very big on a map, for example by saying 1cm on the map = 1 mile in real life.
overfishing	When the number of fish decreases as the result of extreme amounts of fishing
biodegradable	Something which can break down and rot without causes harm to the earth
Marine protected areas	Designated protected area of the ocean



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	✓
I can identify oceans on world maps and explain that they show a top-down view	
-I can match maps with simple satellite images	
-I can interpret aerial images to spot reefs, boats etc	
-I can recognise places on maps of different scales	
-Use linear scale to measure distance	
-I can use eight compass points to describe location	
-I can describe the role of oceans in the water cycle and climate	
-I can explain how oceans support people, plants and animals	
-I can identify examples of economic activity linked to oceans (fishing, shipping, tourism, energy)	
-I can describe the reef's physical and human features	
-I can explain how the reef was formed and how ecosystems depend on each other	
-I can evaluate different perspectives (environment, economy, communities) and suggest realistic solutions and actions	