

KNOWLEDGE ORGANISER—Marine Biomes

Key Vocabulary:

Weather, climate, map, symbol, key

Substantive Knowledge:

- Know the continents and some countries of the world and can name and locate them on a world map.
- Explain some ways biomes (including the oceans) are valuable, why they are under threat and how they can be protected (Great Barrier Reef).
- Understand some advantages of marine protected areas (MPAs/ coral reefs around the world).

Biomes are areas of the planet with similar climates, landscapes, animals and plants.

The main land biomes are rainforests, deserts, woodlands, grasslands etc.

Why are coral reefs important?

Coral reefs are important as they provide an ecosystem for life underwater. They also protect the coastline by reducing the power of the waves. This provides an income for people living there.

Extracts from animals and plants living on reefs have been used to treat a range of diseases included asthma and cancers.

How is the Great Barrier Reef changing over time?

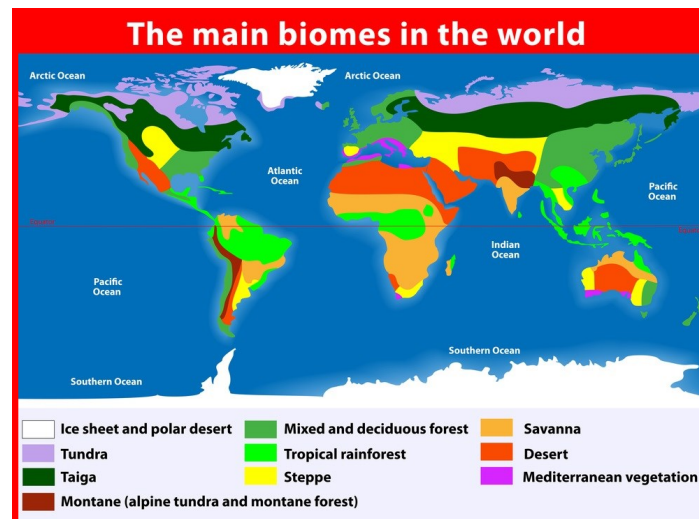
Lots of things are causing damage to the Great Barrier Reef:

Coral bleaching: When coral is stressed it causes it to release algae which causes the coral to lose its colour and turn white.

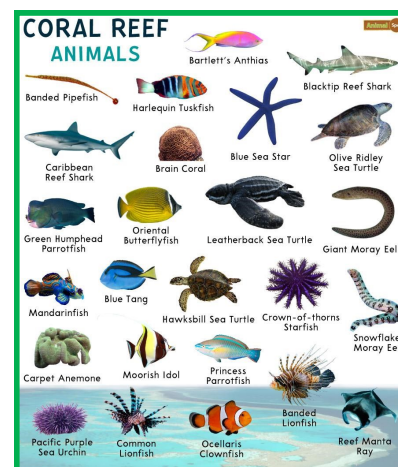
Overfishing, pollution and the loss of ecosystems are damaging the coral reefs.



How can we protect our coral reefs?



What plants and animals live in coral reefs?



Coral reefs are underwater ecosystem.

They are found in warm waters often near the equator.

They are near the coastlines so in warm, shallow water.

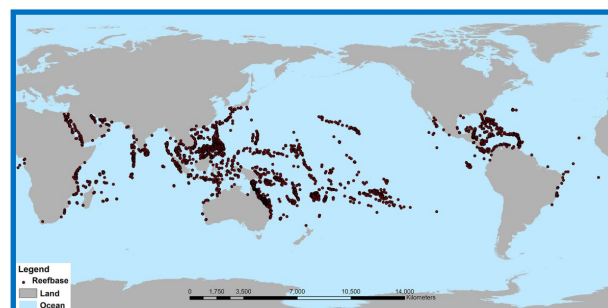
Can you name any countries in the world?

Name the continents, seas and oceans of the world.

What are the lines of longitude and latitude?

Do you know where the equator is and can you name the 2 hemispheres?

Where is the Great Barrier Reef?



Coral reefs are a biome too but they are an ocean biome.

What is a coral reef?

What does a coral reef eat?