

OCEANS and SEAS KNOWLEDGE ORGANISER



World Map and Overview

-The surface of the planet is 71% water. It contains 5 oceans: The Arctic, Atlantic, Indian, Pacific and Southern Oceans.



- The different oceans are shown by the different shades of blue on the map.
- All of the oceans are actually connected together.
- Because the oceans are so large, people sometimes break them down into even more categories, e.g. the 'Northern Atlantic' and the 'Southern Atlantic.'
- The word 'ocean' comes from Greek, meaning 'great stream.'

The Five Oceans

Pacific Ocean



- The Pacific Ocean is the largest ocean in the world. It covers nearly one-third (30%) of the Earth's surface. It separates Australia and Asia from North and South America.
- The name Pacific Ocean means the 'peaceful sea' in Portuguese.

-Some of the main features in the Pacific Ocean include the Mariana Trench and the Hawaiian Islands.

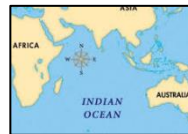
Atlantic Ocean



-The Atlantic Ocean is the second largest ocean in the world. It covers about 20% of the earth's surface.

-It separates North and South America from Europe and Africa. It contains the Gulf Stream.

Indian Ocean



-The Indian Ocean is the third-largest ocean in the world. It is the warmest ocean in the world!

-It lies south of India and separates Australia from Africa. It contains Madagascar and Sri Lanka.

Southern Ocean



-The Southern Ocean is the second smallest ocean. It is in the southernmost part of the world - around Antarctica.

-As it is so far south, much of the Southern Ocean is normally covered in ice (like the Arctic Ocean).

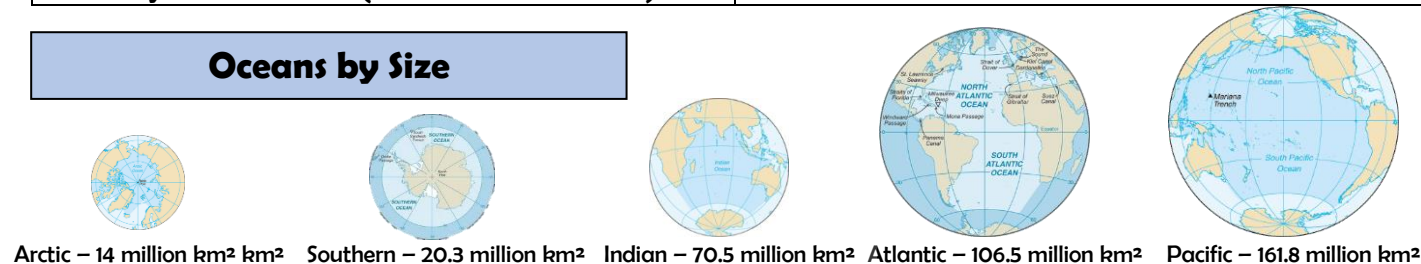
Arctic Ocean



-The Arctic Ocean is the smallest and shallowest of the world's oceans. It is in the northernmost part of the world.

-For much of the year, the Arctic Ocean is covered by ice. It has lots of fresh water, from melting ice.

Oceans by Size



Interesting Features

Mariana Trench		The Mariana Trench is the deepest part of the Ocean. Its very deepest point, the Challenger Deep, is 10,971 metres deep! Even though it is very deep, a few people have visited it in submarines!	Where? Pacific Ocean, near the island of Guam.
Hawaiian Islands		The Hawaiian Islands are a series of eight islands in the Pacific Ocean. Even though they are a long way from the mainland, the islands are a state of the USA. They contain several large volcanoes.	Where? 1500km across the Pacific Ocean.
Gulf Stream		The Gulf Stream is a huge, warm, ocean current that moves from the Gulf of Mexico to North America and Europe. It helps to keep these places from getting too cold in the winter time.	Where? Atlantic Ocean, from central America northern to Europe.
Tides		Tides are the rise and fall of the levels of the ocean. They are caused by the pull of gravity from the Moon. Tides cycle as the Moon moves around the Earth. Therefore the oceans are always rising and falling.	Where? All over the world, in all oceans!
North Pole		The North Pole is actually a frozen part of the Arctic Ocean – there is no land beneath the ice! Because the ice keeps shifting on the ocean beneath, people keep having to move the flag that marks the Pole!	Where? In the middle of the Arctic Ocean.

Seas

Seas are smaller than oceans, and are usually located where land and ocean meet. Sometimes, seas are a small section of an ocean. Below are some of the world's seas:

Mediterranean Sea

-The Mediterranean Sea is connected to the Atlantic Ocean through the strait of Gibraltar, which is only 9 miles wide.

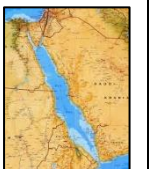
-The Mediterranean Sea separates southern Europe from northern Africa.



Red Sea

-The Red Sea is an inlet of the Indian Ocean, which separates eastern Africa from western Asia (the Middle East).

-The Red Sea is the world's northernmost tropical sea, with lots of interesting marine life.



Caribbean Sea

-The Caribbean Sea is a far-western section of the Atlantic Ocean, which surrounds the Caribbean Islands.

The Caribbean Sea is bounded by Mexico and Central America.



Dead Sea

-The Dead Sea is called a sea, but is actually a hypersaline (very salty) lake.

It is so salty that animals and plants cannot live in it (dead!), and you can easily float on it.



Deepest Points

