







# UNDER THE SEA KNOWLEDGE ORGANISER

TIMELINE																					
<p>1909</p>  <p>Construction begins in Belfast, Ireland</p>	<p>April 10<sup>th</sup> 1912 12 noon</p>  <p>RMS Titanic sets sail from Southampton</p>	<p>April 14<sup>th</sup> 1912 11.40pm</p>  <p>The lookout sees an iceberg dead ahead</p>	<p>April 15<sup>th</sup> 1912 12.00am</p>  <p>Captain Smith gives the order to call for help</p>	<p>April 15<sup>th</sup> 1912 2.05am</p>  <p>The lifeboats are lowered</p>	<p>April 15<sup>th</sup> 1912 8.50am</p>  <p>RMS Carpathia arrives in New York, USA</p>																
<ul style="list-style-type: none"> <li>RMS Titanic was built by the White Star Line and was the world's largest passenger liner. It measured 882 feet (269 metres) long and weighed 52,310 tons.</li> <li>Construction of the Titanic started on 31st March 1909. It took over 3 years to build.</li> <li>In 1911 Titanic was declared practically unsinkable and a marvel of British engineering.</li> <li>The maiden voyage began on 10th April 1912 in Southampton</li> <li>It was a legal requirement of British law that third class passengers could not mix with first and second class passengers on Titanic.</li> <li>1506 people died on board the Titanic</li> <li>Titanic could carry 64 lifeboats but only carried 20 (which was the legal requirement) to maximise deck space for passengers</li> <li>61% of all first class passengers survived</li> <li>42% of all second class passengers survived.</li> <li>24% of all third class passengers survived.</li> <li>24% of the crew survived.</li> <li>66% of all third class children died. No first or second class children died.</li> </ul>			<h3>VOCABULARY</h3> <table border="1"> <tbody> <tr> <td>maiden voyage</td> <td>The first journey of a ship.</td> </tr> <tr> <td>transatlantic</td> <td>Crossing the Atlantic.</td> </tr> <tr> <td>passenger</td> <td>A person who is traveling in an car, bus, train, airplane or ship</td> </tr> <tr> <td>iceberg</td> <td>A large floating mass of ice detached from a glacier or ice sheet and floats in the sea.</td> </tr> <tr> <td>survivor</td> <td>A person who remains alive after an event in which others have died.</td> </tr> <tr> <td>bow</td> <td>The front section of a ship.</td> </tr> <tr> <td>starboard</td> <td>The right-hand side of a ship.</td> </tr> <tr> <td>hull</td> <td>The main body of a ship.</td> </tr> </tbody> </table>			maiden voyage	The first journey of a ship.	transatlantic	Crossing the Atlantic.	passenger	A person who is traveling in an car, bus, train, airplane or ship	iceberg	A large floating mass of ice detached from a glacier or ice sheet and floats in the sea.	survivor	A person who remains alive after an event in which others have died.	bow	The front section of a ship.	starboard	The right-hand side of a ship.	hull	The main body of a ship.
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## 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



Arctic - 14 million km<sup>2</sup>



Southern - 20.3 million km<sup>2</sup>



Indian - 70.5 million km<sup>2</sup>



Atlantic - 106.5 million km<sup>2</sup>



Pacific - 161.8 million km<sup>2</sup>

## Interesting Features

<b>Mariana Trench</b>		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!	<b>Where?</b> Pacific Ocean, near the island of Guam.
<b>Hawaiian Islands</b>		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.	<b>Where?</b> 1500km across the Pacific Ocean.
<b>Gulf Stream</b>		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.	<b>Where?</b> Atlantic Ocean, from central America northern to Europe.
<b>Tides</b>		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.	<b>Where?</b> All over the world, in all oceans!
<b>North Pole</b>		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!	<b>Where?</b> In the middle of the Arctic Ocean.

## Top Ten Facts!

1. The average depth of the ocean is about 3.7km deep!
2. The Pacific Ocean contains about 25,000 different islands!
3. Around 95% of life on Earth lives in the oceans.
4. It is thought that we haven't yet discovered millions of creatures that live in the oceans.
5. The largest creature that has ever lived, the blue whale, lives in all of the world's oceans.
6. The longest mountain ranges in the world are underwater: the mid-Atlantic and the mid-Oceanic ridges.
7. Over 70% of the oxygen in the world is released from the ocean.
8. The Pacific Ocean is wider than the Moon!
9. If you weren't in a specially-designed submarine, the pressure in the deep ocean would crush you in no time!
10. More people have been to the Moon than the bottom of the Mariana Trench!

## Deepest Points

