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Oceans and Seas

Ocean 11

Oceans of the World All of the oceans of the world are part of one, vast body of water. Approximately 71% of the earth's surface is water. There are no dividing lines between the five oceans of the world. Each ocean is connected to at least one of the others.

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Background to the Ocean

The earth is often called " the water planet", because about 71% of the earth's surface is water. Water is three times more common than all of the other substances on earth combined.

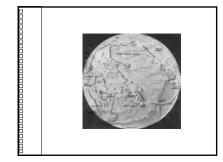
About 97% of all water on earth is salt water. About 50% of this seawater is found in the Pacific Ocean. If the whole world were to be smoothed out, it would be covered to a depth of 200 metres. The bottom of the Marinas Trench has a pressure supporting the equivalent of 50 Jumbo jets.

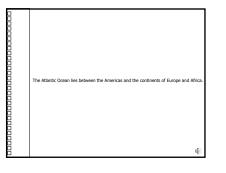
The great ocean currents redistribute the sun's heat on earth. This code the tropics and heats the polar regions. The mighty Gulf Stream affects the climate of Scandiovaia (Demmark, Norway, Sweden) even though its origin is thousands of kilometres away. The interaction of the sun, moon, and the earthy, produce the daily rhythm of the tides. Special places like the Bay of Fundy have giant tides.

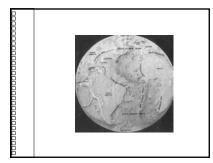
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The ocean serves as the world's superhiphway and ports like Halifax, and Sydney are the gateways linking entire continents to the rest of the world. Historically, the ocean has been important as a source of fish and other matine animals. The ocean has been important so inside other matine animals. The ocean has been important so a source of bein the animal world. The ocean has been important as a source of bein the animal world. The ocean has been important as a source of body of the ocean has been important as a source of the world. Aquaculture has been involved in many parts of the world. The fixe oceans of the world arranged from largest to smallest: Pacific Adiantic Indian Arctic Antarctic





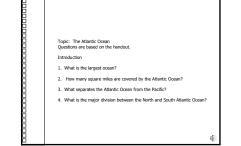


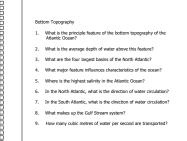


The Indian Ocean has an average depth of 4300 metres.

Most of the Arctic Ocean is covered by a layer of ice, which is 3 metres deep.

The Antarctic Ocean surrounds the South Pole and it is thought to be the southern continuation of the Indian, Atlantic and Pacific Oceans.





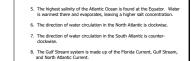
Topic: The Atlantic Ocean Answers to Handout Questions

- Introduction
- 1. The Pacific Ocean is the largest ocean.
- 2. The Atlantic Ocean covers more that 41 million square miles.
- 3. The Atlantic is separated in the north from the Pacific by the Bering Strait.
- 4. The major division between the North and South Atlantic is the equator.

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Bottom Topography

- 1. The principle feature of the bottom topography of the Atlantic Ocean is the Mid-Atlantic Ridge, which extends from Iceland to Cape Horn. The depth of water over this ridge is generally more than 1500 fathoms. (2743 metres)
- 3. The four largest basins of the North Atlantic are: North American, Guiana, Canaries, and Cape Verde.
- 4. The major influences are: solar radiation, precipitation and evaporation.



About 50 million cubic metres of water per second are carried by the Oulf Stream

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