

Oceanology

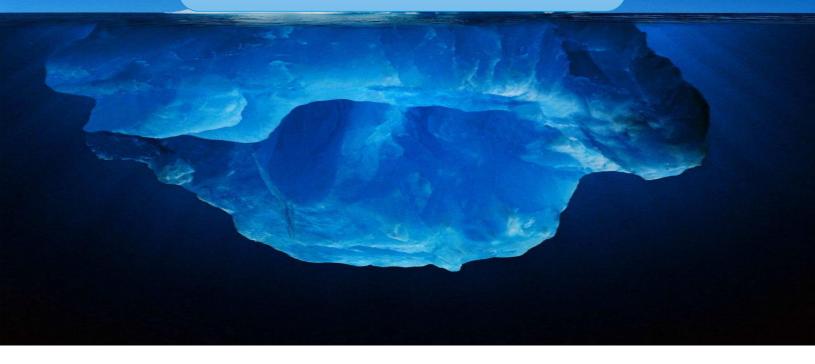
The Southern Ocean surrounds Antarctica, extending from the Antarctic coastline to about 60 degrees south latitude.











It's the smallest and coldest ocean, characterized by strongwinds, icebergs, and extreme conditions.









Important Animals: The Southern Ocean is rich in marine life, including various speciesof seals, penguins, whales (like the blue whale).



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The Arctic Ocean is located around the North Pole, bordered by northern North <u>America, Europe, and Asia</u>.





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• It's the smallest and shallowest ocean, covered by sea ice formuch of the year. The Arctic is experiencing rapid climate change, resulting in shrinking icecover.



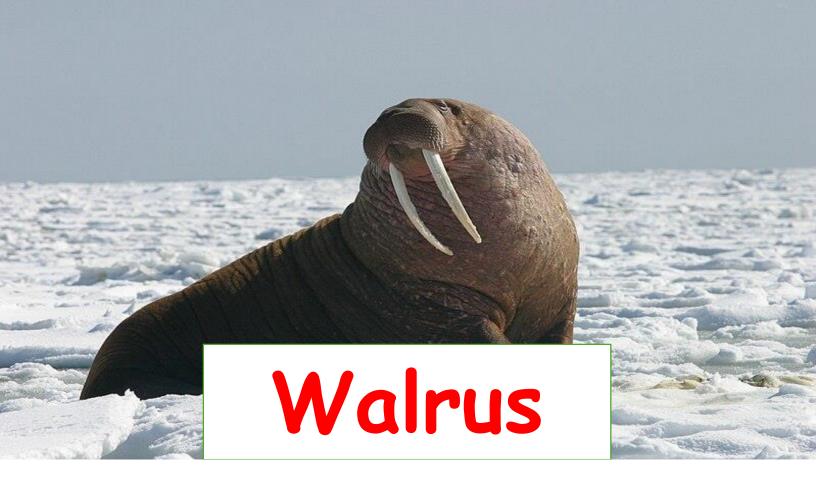
Polar bear

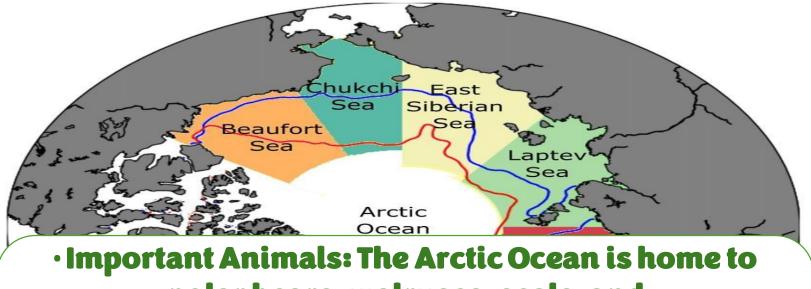
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Cherry and

Sea bird





polar bears, walruses, seals, and various species of whales and seabirds that are adapted to cold environments. It also supports unique ecosystems that exist around the sea ice.