

# Southern and Arctic Ocean

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# Southern Ocean

The image features a stylized illustration of an underwater scene. The background is a gradient of blue and teal, with numerous small, light-colored bubbles scattered throughout. In the center, a large, light blue rounded rectangle contains the text "Southern Ocean" in a dark blue, sans-serif font. The foreground is a sandy ocean floor with various marine life: on the left, there are dark blue and purple seaweed-like plants; in the center and right, there are light blue and white coral structures; and on the right side, there is a bright orange starfish with dark spots. The overall aesthetic is clean and modern.

## Location

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



1. Surround: If one thing surrounds another, it is situated all round it.
2. Extend = continue
3. Coastline: outline of a coast
4. Latitude = width



# Important Characteristics

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



extreme conditions = very bad situation

# Important Animals

The Southern Ocean is rich in marine life, including various species of seals, penguins, whales (like the blue whale).



# Arctic Ocean





# Location

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

**bordered = surrounded**



## Important Characteristic

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

Shallowest  $\neq$  deepest

Rapid = fast

Shrink = melt

## Important Animals

The Arctic Ocean is home to 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.



Adapt = adjust

