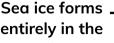
The Climate Change Breakdown

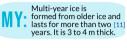
What is sea ice, how is it responding to climate change, and who is being affected?















Temperature

Ocean water freezes at -1.8°C [4]



salt concentration [4]

movement influence shape and structur

Currents

Water and air

[3]

Influence on the Environment Maintaining climate and weather patterns [2]

Ocean circulation [3]

Supports arctic ecosystems and habitats [3]

HOW







Heading towards an ice free Arctic Ocean

Unpredictable sea ice formation cycles [2

Multi-year ice is declining[

Trends

A reduced freezing season[3]

Changes in the conditions and availability of sea ice has the greatest impact on Indigenous communities living in the Canadian Arctic.

HE POLAR BEARS

Losing the ability to hunt on the ice has increased their presence on the main land. [10]



34% increase in reported sea ice related injuries



The loss of freedom has affected the mental health of Inuit communities



Increased food insecurity

[7]

Sea ice is an extension of ...

Health **Tradition** Land

> Difficulty teaching traditional Inuit hunting practices

Losing the ability to predict the timing of fall ice

Difficulty accessing other communities, like those in Rigolet

Melting Increased moisture

Stronger storms

Increased astal erosion [1]