

CLIMATE CHANGE AND THE ENVIRONMENT

CANADA

has received **16%** more precipitation in the past six decades

Annual average air temperature has warmed

1.5°C 

in the past six decades

The **ARCTIC**

is warming twice as fast as the south



2001-2010: warmest decade on record

Warmer temperatures increase water **evaporation**, leading to bigger and more **dangerous storms**



Temperature over land is **WARMING** faster than over oceans

PERMAFROST

temperatures across the country have increased

There is a great loss of **snow cover** in the **spring** and **summer**



Melting permafrost releases

GREENHOUSE GASES



MELTING GLACIERS

contribute to rising sea levels

SEA ICE

is shrinking more and more

RIVER FLOW

has decreased over the past few decades in southern Canada but increased in northern Canada

STRATIFICATION

is the formation of different layers of water in the ocean

OCEAN ACIDIFICATION

Too much CO₂ is absorbed into the water, making it difficult for some species to build shells and skeletal structures. Some waters are already considered "corrosive" to these organisms.



GLOBAL WARMING

stops these layers from mixing properly, impacting the exchange of nutrients, heat and CO₂

In some areas, there is a lack of oxygen in the water, which is harmful to

MARINE LIFE

