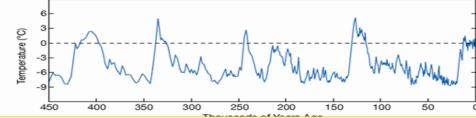


Cryosphere Knowledge Organiser

What is Glaciation?- This is the process by which ice accumulates (builds up) in places to create distinct sheets known as glaciers. These move very slowly and erode the landscape.

What causes Earth to go into Glacial time? Earths Orbit, Volcanic activity and Sunspots



A graph showing the changes in global temperature over the last 450,000 years.

Case Study: Global Scale Sustainable Management: The Antarctic Treaty System

Background

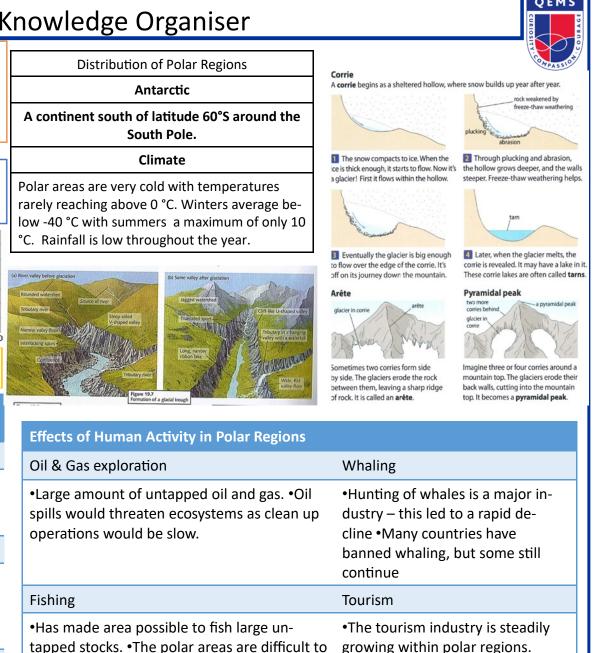
Signed by 50 nations in 1961, the Treaty sets aside Antarctica as a scientific preserve, establishes freedom of scientific investigation and bans military activity.

Basic Principles of the Antarctic Treaty

•Bans mining and resource extraction. •Prevents territorial disputes of the continent. •Promotes scientific research and co-operation. •Protects the fragile environments and its wildlife by preventing and managing waste/pollution.

Successful?

Stayed in place for 50 years with more countries signing up to enforce strict controls and improve its stability.



•Travel by tourist increase emis-

sions further. •Wildlife may be-

come disturbed by tourists

tapped stocks. •The polar areas are difficult to police due to harsh conditions. •Collapse of the fish stocks