

Y6 - FROZEN KINGDOM - KNOWLEDGE ORGANISER

CONTINENTS AND OCEANS OF THE WORLD



DAYLIGHT SAVINGS TIME

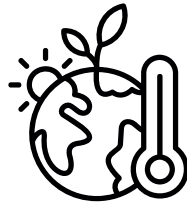


Daylight savings is where clocks are altered to make better use of the longer daylight available during the summer so darkness falls at a later time. In spring, we set the clocks forward 1 hour. In the autumn, we set them back 1 hour.



Antarctica, the coldest and windiest place on Earth.

COMPARING THE POLAR REGIONS TO THE UK



Climate:

Polar regions- Only 2 seasons: winter and summer. In winter seasons, the sun is so far away it doesn't rise. It can be cold and dark for months! Temperatures average between 10°C in summer and -60°C in winter.

UK - The UK has a temperate climate, meaning cool, wet winters and warm, wet summers. It rarely experiences extremes of heat or cold, drought or wind. Climates can range across the UK. Temperatures average between 9°C and 18°C.



Terrain:

Polar regions - Mainly covered by water and ice. Physical features include: glaciers, fjords, mountains, icebergs and valleys.

UK - The terrain varies across the UK. Physical features include: mountains, valleys, rivers, cliffs, beaches.

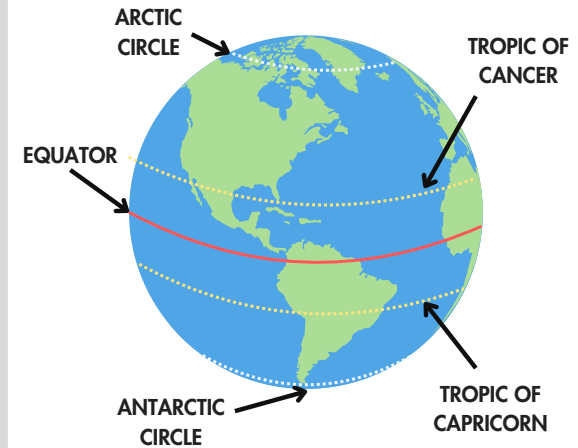


Population:

Polar regions - Around 4 million people live in the Arctic. In winter, it is too dangerous to venture outside without protective clothing and equipment. No humans permanently live in Antarctica because it is too cold.

UK - Approximately 67 million people live in the UK. Vegetation can also grow in the UK whilst similar vegetation can't grow in the polar regions due to the extreme cold.

INVISIBLE LINES AROUND THE WORLD



WHY THE ARCTIC ATTRACTS HUMANS

The Arctic is a vast region with great potential. Humans have visited the Arctic to:



Drill and extract precious resources like oil, gas and various minerals. This makes up a high portion of the Arctic's trade.



Investigate and identify the biodiversity. There are more than 21,000 identified species living there.



Cultivate fish and shellfish. The UK has cultivated approximately £16 million from cod alone from in the last year in the Arctic.



Study the agriculture of the region and to see the effects that global warming is having on the land.