

Geography

How might we live in the future?

Key Vocabulary

Achievements - something that is done successfully with effort, skill or courage.

Community – A community is people of a district or country considered collectively, especially in the context of social values and responsibilities.

Change – to alter, modify or make something different to how it began.

Sustainability – the quality of causing little or no damage to the environment and therefore able to continue for a long time.

Climate – general weather conditions found in a particular place.

Equator - An imaginary line that divides Earth, into the northern and southern hemispheres.

Longitude - A coordinate that specifies the east-west position of a point on the surface of the Earth.

Latitude - A coordinate that specifies the north-south position of a point on the surface of the Earth.

Tropic of Cancer - The most northerly circle of latitude on Earth at which the Sun can be directly overhead.

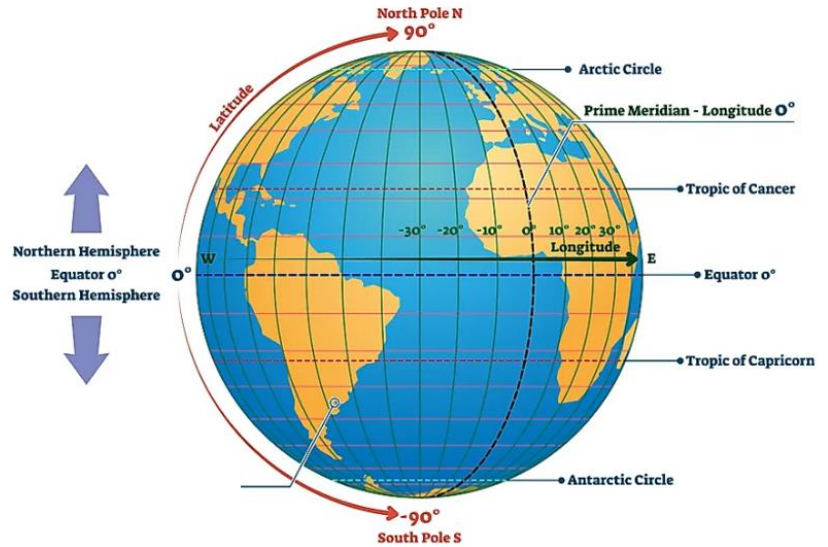
Tropic of Capricorn - The most southerly circle of latitude on Earth.





Global Warming - the long-term heating of Earth's surface due to human activities, primarily fossil fuel burning, which increases heat-trapping greenhouse gas levels in Earth's atmosphere.

Climate change - increasing changes in the measures of climate over a long period of time – including precipitation, temperature, and wind patterns.

Carbon Dioxide - an important heat-trapping gas, or greenhouse gas, that comes from the extraction and burning of fossil fuels.

Deforestation - the action of clearing a wide area of trees.



| | Location | Climate Zone | Natural resources |
|---|---|--|---|
| Amazon Rainforest  | -South America -Primarily located in the Southern Hemisphere -Between the Tropics of Cancer and Capricorn -Close to the Equator | Humid Tropical Warm | Minerals – iron ore, copper, gold, tin Energy – hydroelectric Oil and gas |
| Sahara Desert  | -North Africa -Northern Hemisphere -The Prime Meridian runs through it | Arid desert Dry Hot | Fuel – coal, oil, natural gas Water |
| Arctic  | -Northern hemisphere -Spread around the North Pole -The Prime Meridian runs through it -Made up of the Arctic Ocean and nearby seas. -Not a continent | Polar desert Dry Cold | Minerals – iron ore, zinc, lead, nickel, precious metals, diamonds Oil and gas Rock, stone, sand and gravel |
| Antarctica  | -Southern Hemisphere -Spread around the South Pole -The Prime Meridian runs through it -Continent | Ice-cap climate Desert Dry Cold | Minerals Oil and gas |

Robert Peary was the first person to travel to the Arctic Circle

Roald Amundsen was the first person to travel to the Antarctic.

Matthew Henson reached the pole as a member of an expedition to the Arctic led by Robert Peary in 1909. However, racial prejudice at the time kept him from receiving credit for his accomplishments.

On April 23, 2007, Barbara Hillary became the first black woman to reach the North Pole.

On January 6, 2011, at the age of 79, Hillary became the first African American woman on record to set foot at the South Pole.

