



## Things You Already Know

- Lines of latitude are used to find out how north or south a place is. These lines run parallel to the equator.
- Lines of longitude are used to find out how east or west a place is. These lines run from the top of the Earth to the bottom.
- The Prime Meridian is a line of longitude that is at 0°.
- The Tropic of Cancer is the most northerly line of latitude where the sun can be directly overhead.
- The Tropic of Capricorn is the most southerly line of latitude where the sun can be directly overhead.

## Skills You Already Have

- I can use maps, atlases and globes to locate the world's countries.
- I can identify key physical and human characteristics.
- I can recognise and apply grid references.
- I can calculate the time using knowledge of time zones.



## Key Vocabulary

<b>biome</b>	A biome is a large region of Earth that has a certain climate and certain types of life (plants and animals).
<b>climate zone</b>	An area of the Earth that experiences similar weather patterns and conditions.
<b>water cycle</b>	The water cycle is the journey water takes as it moves from the land to the sky and back again. It follows a cycle of evaporation, condensation, precipitation and collection.
<b>irrigation</b>	the supply of water to land or crops to help growth, typically by means of channels
<b>deforestation</b>	The removal of a forest or stand of trees from land which is then converted to a non-forest use
<b>geographic coordinates</b>	The latitude and longitude reading which defines the position of a point on the surface of the Earth

## New Geography Knowledge

- There are five major types of **biomes**: aquatic, grassland, forest, desert, and tundra.
- Earth has three main **climate zones**- tropical, temperate and polar. These zones can be further divided into smaller zones, each with its own climate.
- Russia is the largest country in the world by size and spans across eleven **time zones** and two continents: Europe and Asia.
- Rivers carry rainwater back to the sea and are a very important part of the **water cycle**.
- Lots of human activities can impact the **water cycle** such as using water for farming, **irrigation** and **deforestation**.

## New Geography Skills

- I will be able to use latitude and longitude references to produce accurate **geographic coordinates**.
- I will be able to analyse and interpret **biome** and **climate** maps in order to understand the environmental conditions of a region.

