

## Topic 23.2.21

Wednesday, February 10, 2021 2:06 PM

For tomorrow:

Make a giant iceberg. **Ask someone for permission/help.**



Freeze water in a large balloon or clear plastic bag overnight.

Geography: What are the geographical features of the world?

Skill: Using longitude and latitude

What are geographical features?

### Human and Physical Geography

Human Geography	Physical Geography
<p>Human geography relates to human activity or something that is humanly-constructed.</p> <p>It studies the interaction between human activity and the planet.</p> <p>Human geography might answer questions like:</p> <ul style="list-style-type: none"> <li>• What is the largest city in Africa?</li> <li>• Why is the UK population growing?</li> <li>• Why do we experience global warming?</li> </ul> 	<p>Physical geography relates to geography that is naturally occurring.</p> <p>It studies the natural environment and landscapes of our planet.</p> <p>Physical geography might answer questions like:</p> <ul style="list-style-type: none"> <li>• What happens when a volcano erupts?</li> <li>• Why does a river flood?</li> <li>• How are mountains formed?</li> </ul> 

Examples

**Physical:**

Rainforests, Mountains, Volcanoes, Deserts, oceans, rivers

**Human:**

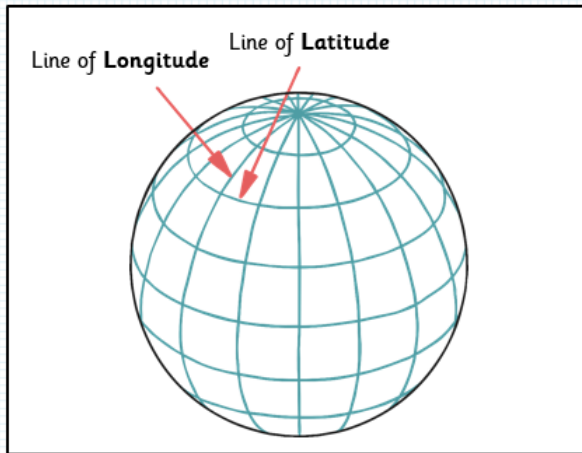
Cities, Dams, airports, roads,



## How is it possible to find the exact location of a place on Earth?

### Latitude and Longitude

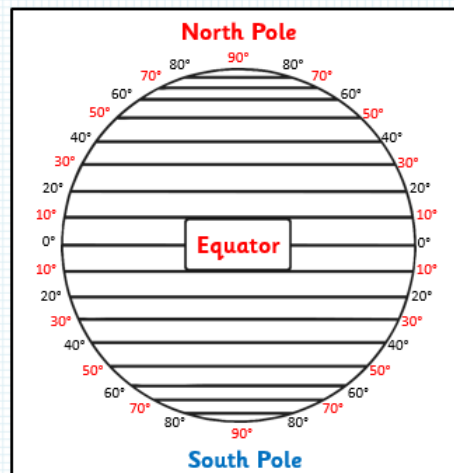
Invisible lines of latitude and longitude form a grid over the Earth. These lines help to create a co-ordinate to locate a place accurately.



## Latitude

Lines of latitude (also known as **parallels**) circle the Earth from east to west. These invisible lines are all the same distance apart. One line to the next is known as 1 degree.

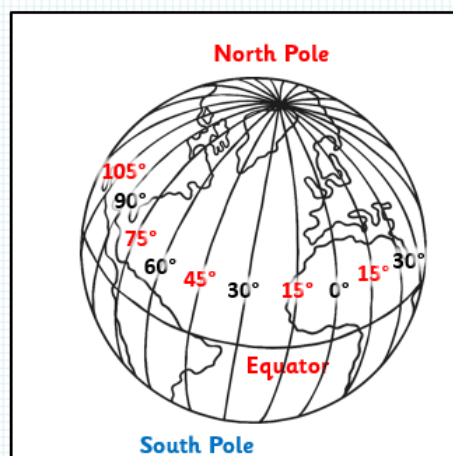
- Each degree of latitude is separated into smaller divisions called minutes.
- There are 60 minutes in 1 degree.
- Each minute is divided into 60 seconds (not always included within the co-ordinate).
- As you can see from the diagram, the Equator lies at 0 degrees.



The Equator is an important line of latitude. It is an imaginary line half way between the North and South Poles. Countries near to the Equator are very hot as this is the Earth's closest point to the Sun.

## Longitude

- These are the lines which run north and south and are known as lines of longitude or meridians of longitude. These lines are measured in the same way as the lines of latitude.
- Lines of longitude are not equal distances (equidistant) from each other.
- The Prime Meridian or Greenwich Meridian line is a line of longitude at 0 degrees.
- It passes right through Greenwich in London.



Use Google maps to find and name both polar regions and other significant geographical features of the world.

<https://www.google.co.uk/maps/@52.6161586,-1.6749909,14z>

Challenge - work through the challenges and see how much detail you can add.

### Mild

Make a simplified global map showing the locations of these features.

### Hot

Add a key for information.

### Flaming

Identify and record the longitude and latitude of both polar regions, specifically the geographic North Pole and South Pole.

