
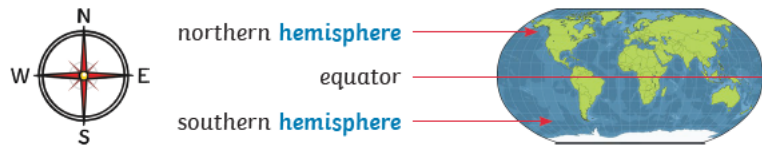

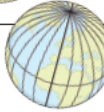


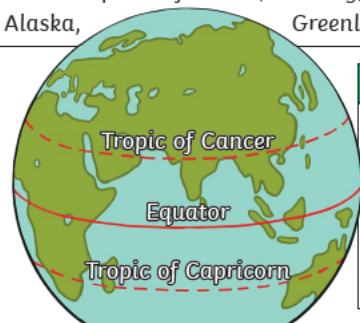
Key Vocabulary	
<b>co-ordinates</b>	A set of numbers and/or letters that show you a specific position on a map.
<b>hemisphere</b>	A half of the earth, usually divided by the equator into the northern and southern <b>hemisphere</b> .
<b>polar</b>	The area around the North or South Pole.
<b>longitude</b>	invisible lines running around the Earth, east to west
<b>latitude</b>	invisible lines running around the Earth, north to south
<b>time zones</b>	regions where the same time is kept
<b>Prime Meridian</b>	0° latitude and the line from where east to west distance is measured
<b>tropics</b>	the most northerly and southerly positions the sun can be overhead

Time Zones
<ul style="list-style-type: none"> <li>The Prime Meridian (PM) line divides the earth into the eastern and western <b>hemisphere</b>.</li> <li>It passes through the Royal <b>Observatory</b> in Greenwich, England.</li> <li>All time zones start here - Greenwich Mean Time (GMT).</li> <li>There are 24 different time zones – one for each hour in the day.</li> <li>From GMT to the east = +1 hour for every time zone.</li> <li>From GMT to the west = -1 hour for every time zone.</li> <li>The International Date Line is on the opposite side of the world from the PM. When it is noon at the Prime Meridian, it is midnight along the International Date Line. This is where midnight occurs first across the globe.</li> </ul>

Longitude and Latitude
<p>Latitude lines run around the earth east to west. These lines are the same distance apart from each other.</p> 
<p>Longitude lines run over the top of the earth north to south. These lines are not equally distant from each other.</p> 
<p>These lines are used to give the specific location of anywhere in the world using <b>co-ordinates</b>.</p>

Polar Regions	
North Pole	South Pole
Arctic Circle	Antarctic Circle
Includes parts of Russia, Norway, Sweden, Finland, Canada, Alaska, Greenland and Iceland.	Has no countries and has no one living there permanently. It is a protected place of scientific and environmental research.

The Tropics
<ul style="list-style-type: none"> <li>The Tropic of Cancer (northern tropic) and the Tropic of Capricorn (southern tropic) mark the most northerly and southerly positions that the sun can be overhead.</li> <li>Between the tropics the weather is hot all year round.</li> <li>Rainfall can vary here. In some places, there is very little rain, some areas have a rainy season and some places have lots of rain all year round.</li> </ul>