



Where in the world would you like to be?

Continent
a continent is a massive area of land that is separated from others by water or other

Ocean
To help you remember the facts try to share them with your family members (without looking). Tell them until they remember them too! © Can you think of a creative way to remember these facts?

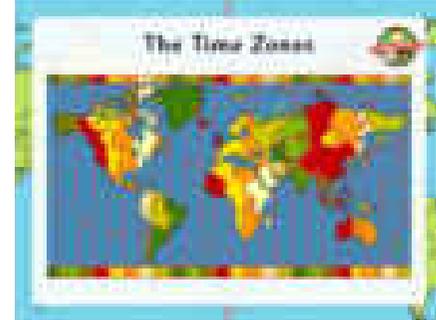
Hemisphere
I know that the world is split into two halves (hemispheres) of the Earth (sphere).
Time zone
is an area on Earth that has a specific time that all citizens can set their clocks to; different places on Earth have different time zones.

Where in the world?
Read the information below on pages 2 - 13. Make some notes about what you are reading. Can you now explain to someone what a continent is? Can you explain the difference between some of the oceans?

Read the information below on pages 14 - 18. Do you understand the different ways that Earth is split up?
Try and label these on the map on page 19 without looking. See how well you do. Can you then label the UK and Ripon?



What time is it now?
Time is different depending on where you are in the world. The picture below shows the time zones of the world. Read the information on time zones on page 21 and then complete the time zone text messages challenge on page 22.



2. I know that the world has five oceans, Pacific, Atlantic, Indian, Southern and Arctic and can label them on a map.
3. I know that the world is divided into northern and southern hemispheres by the equator.
4. I can locate the UK and Ripon on a map.
5. I know some of the geographical similarities and differences between North America and the United Kingdom.

Fact File Fun
The fact files below on pages 5-10 are detailed but not very child friendly. Create a fact file for a continent that is more appropriate for a child in KS1. Think about what will make it interesting for them.
Now use the information on pages 10-18 to create a fact file of one of the oceans for another Year 6 pupil. Can you include which hemisphere the ocean is in? Use the blank fact file to help you on page 20.



Key Vocabulary

What is a continent?

A continent is a large, solid landmass.



What are the continents?

The continents are typically defined as:

North America

South America

Australia

Africa

Europe

Asia

Antarctica

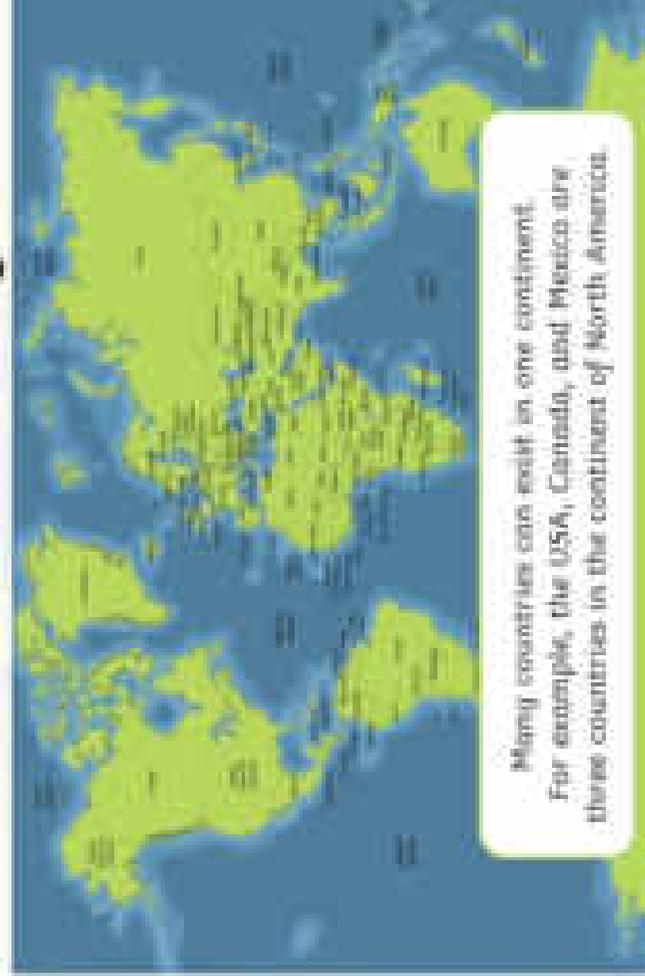
Why are North and South America considered two different continents?

Even though it is man-made, North America and South America are separated by the Panama Canal.

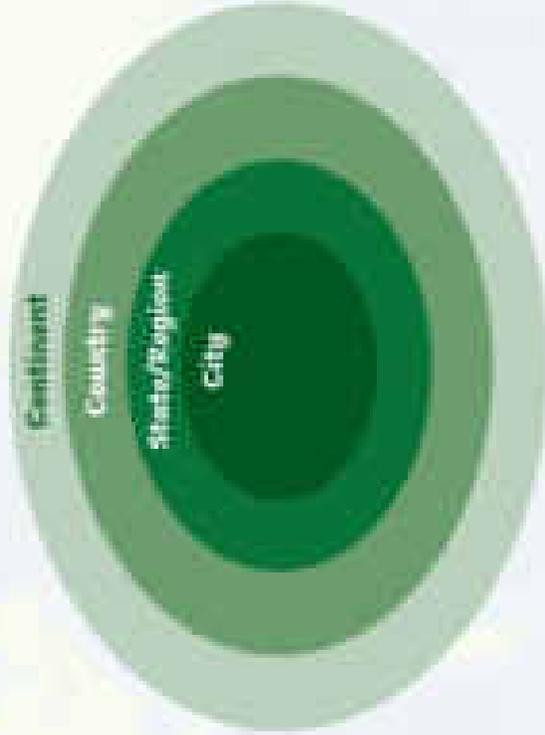


What is a country?

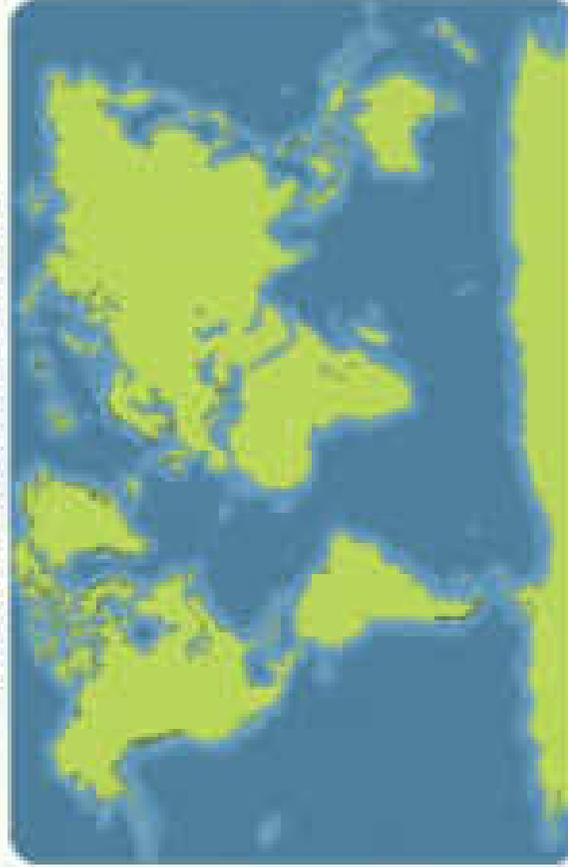
Many countries can exist in one continent. For example, the USA, Canada, and Mexico are three countries in the continent of North America.



**Think of where you live as
a map of concentric ovals.**



Where Do You Live?



Where is your continent?

Africa

Africa Fact File

Total Population
1.216 billion

Number of Countries
54

Longest River
Nile (Egypt)

Highest Peak
Kilimanjaro (Tanzania)

Longest Lake
Lake Victoria (Kenya)

Longest Desert
Sahara



1. Population: 1.2 billion
2. Largest Desert: Sahara
3. Longest River: Nile
4. Highest Peak: Kilimanjaro
5. Largest Lake: Victoria
6. Largest Country: Algeria
7. Smallest Country: Seychelles
8. Most of the Continent: Desert
9. Largest Island: Madagascar
10. Most of the Continent: Arid
11. Most of the Continent: Hot
12. Most of the Continent: Dry
13. Most of the Continent: Poor
14. Most of the Continent: Unstable
15. Most of the Continent: Uneducated

Antarctica

Antarctica Fact File

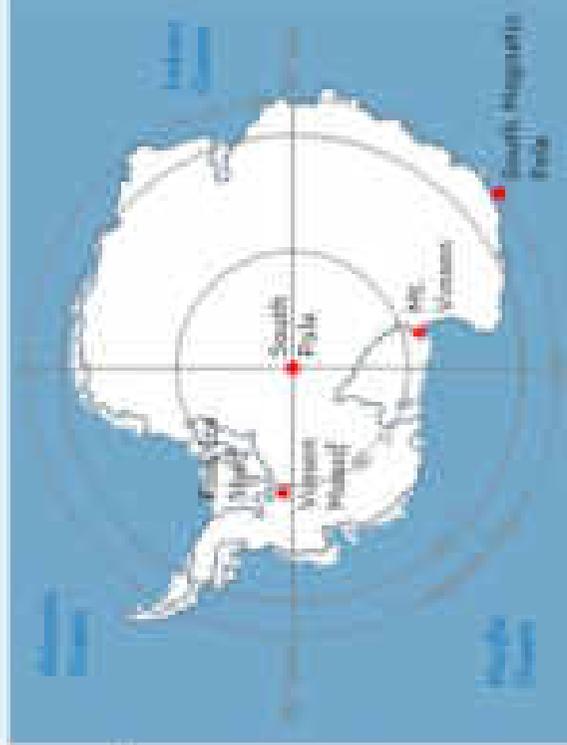
Total Population
No permanent residents and never has there been a native population

Number of Countries
No individual groups of countries

Largest Ice Shelf
Ross Ice Shelf

Area
5,399,553 miles

Highest Point
Mt. Vinson

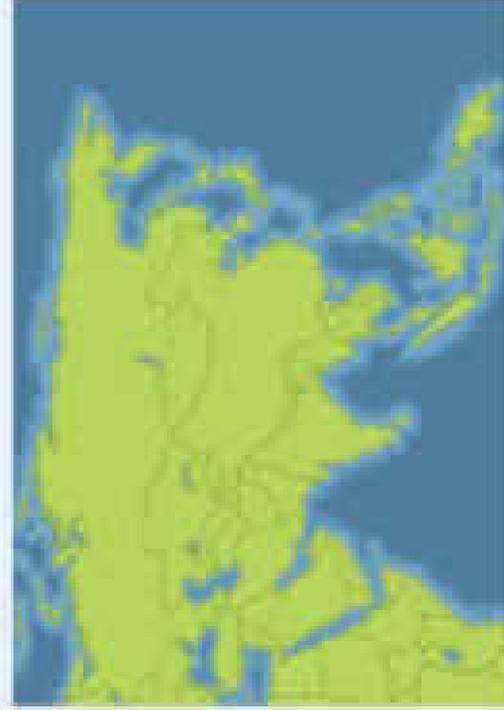


Asia



1. Kazakhstan
2. India
3. Saudi Arabia
4. Pakistan
5. U.A.E
6. China
7. Indonesia
8. Singapore

Asia Fact File



Total Population
4.5 billion

Number of Countries
48

Longest River
Yangtze River (China)

Highest Point
Mount Everest
(China/Nepal)

Largest Sea
Caspian Sea

Largest Desert
Gobi (Mongolia)

Russia spans across
both Asia and Europe



Australasia /Oceania

Australasia/Oceania Fact File



Total Population
30.8 million

Number of Countries
14

Longest River
Murray River
(Australia)

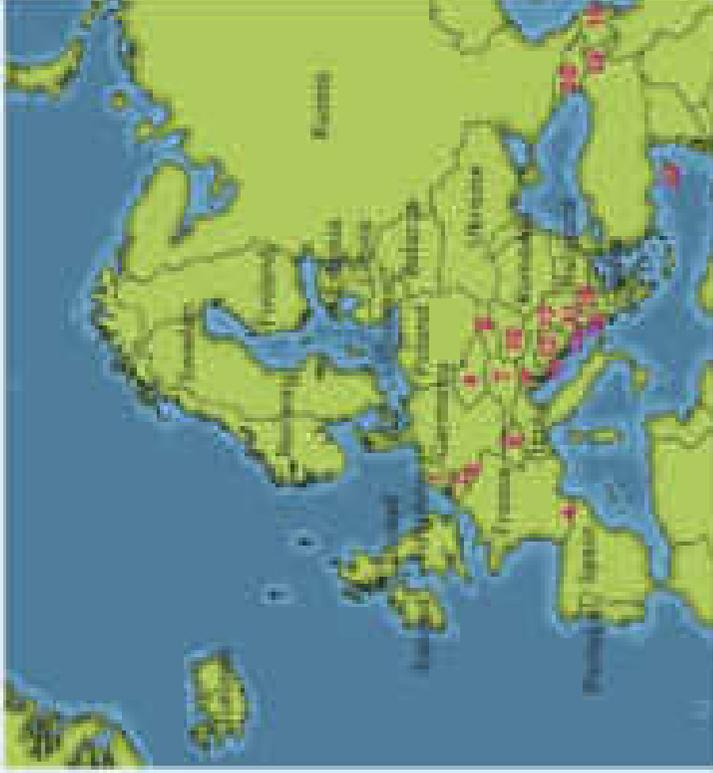
Highest Point
Mount Cook
(New Zealand)

Longest Lake
Eyre (Australia)

Longest Desert
Great Victoria Desert
(Australia)

Europe

1. Netherlands
2. Belgium
3. Luxembourg
4. Austria
5. Switzerland
6. Czech Republic
7. Austria
8. Slovenia
9. Slovenia
10. Hungary
11. Croatia
12. Russia
13. Serbia
14. Montenegro
15. Macedonia
16. Albania
17. Moldova
18. Azerbaijan
19. Armenia
20. Georgia
21. Estonia
22. Cyprus



Europe Fact File

Total Population
Just 4 million

Number of Countries
40

Largest Country
Population
Russia

Longest River
Volga (Russia)

Highest Point
Elbrus, Caucasus
Mountains (Russia)

Longest Lake
Ladoga (Russia)

Points sports arena
both Asia and Europe



North America



1. Mexico
2. Guatemala
3. Honduras
4. Costa Rica
5. Panama
6. Cuba
7. Jamaica
8. Haiti
9. El Salvador
10. Dominican Republic

North America Fact File



Total Population
379 million

Longest River
Mississippi - Missouri

Highest Point
Mt. McKinley (Denali),
Alaska

Largest Lake
Lake Superior, Canada

Largest Desert
Great Basin

South America

South America Fact File

Total Population
623.3 million

Number of Countries
12

Longest River
Amazon

Highest Point
Cerro Aconcagua
(Argentina)

Largest Lake
Lake Titicaca (Bolivia)

Largest Desert
Atacama Desert (Chile)



What Is an Ocean?

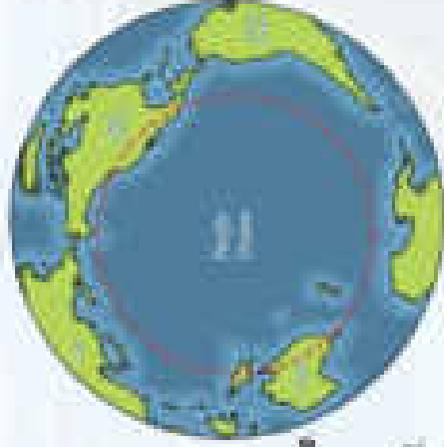
An ocean is a very large area of salt water. Most of the Earth is covered in ocean.



There are five oceans in the world.

- Pacific Ocean
- Atlantic Ocean
- Indian Ocean
- Southern Ocean
- Arctic Ocean

Pacific Ocean



The Pacific Ocean is the biggest ocean in the world.

It reaches from North and South America to Asia and Australia.

The Pacific Ocean is surrounded by a line of volcanoes known as the **Ring of Fire**.

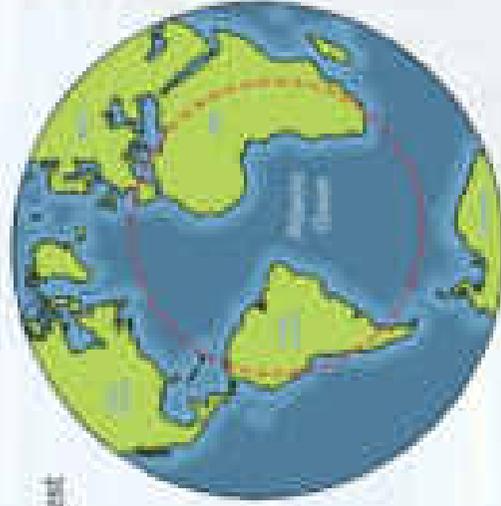
It is also home to the **Great Barrier Reef**, which is the largest coral reef in the world.

Challenger Deep, the deepest point on Earth, is in the Pacific Ocean.

Did You Know...?

The word 'Pacific' means peaceful.

Atlantic Ocean



The Atlantic Ocean is the second biggest ocean in the world.

It reaches from North and South America to Europe and Africa.

The Atlantic Ocean is huge, but only half the size of the Pacific Ocean.

The **Mid-Atlantic Ridge**, the longest mountain range in the world, is underwater in the Atlantic Ocean.

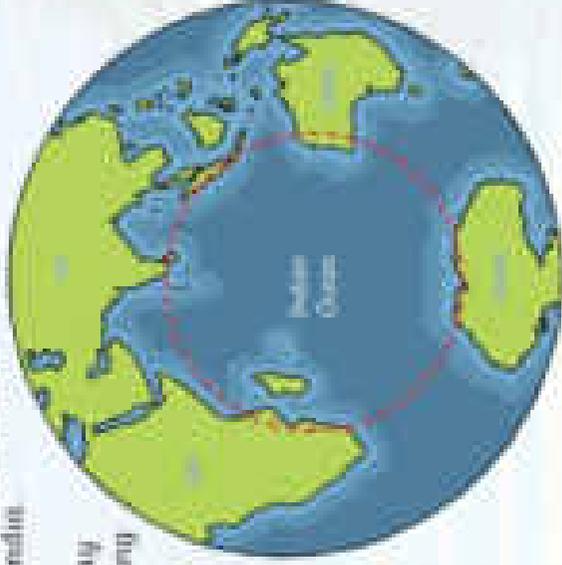
Did You Know...?

The first person to sail across the Atlantic Ocean from Europe to America was **Cristopher Columbus**, in the year 1492.

Indian Ocean

The Indian Ocean is the third biggest ocean in the world. It is named after the country of India.

The Indian Ocean is home to many endangered sea creatures, including turtles, seals and dugongs (also known as sea cows).



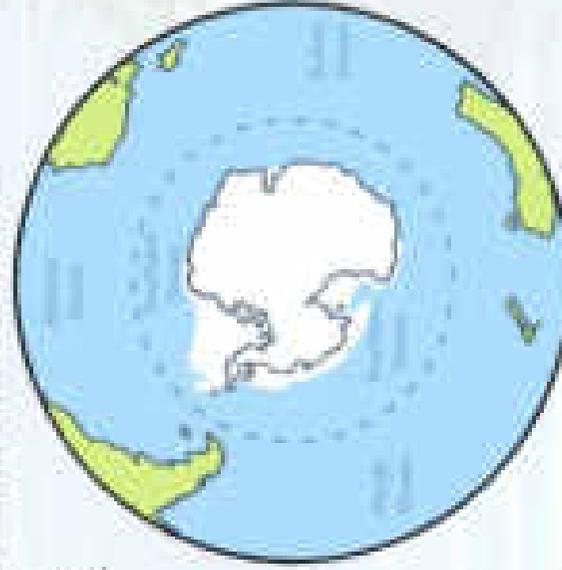
Southern Ocean

The Southern Ocean is the second smallest ocean in the world.

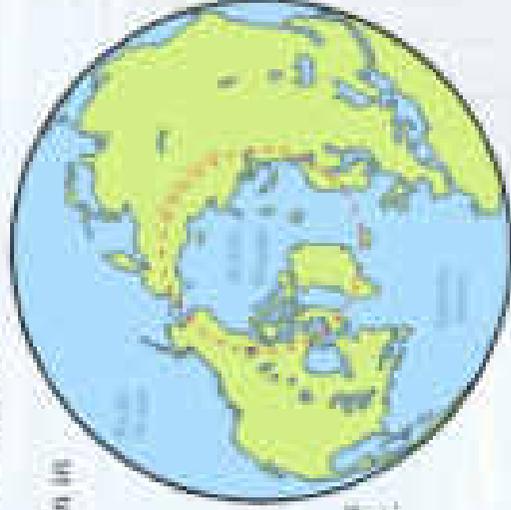
It is also known as the Antarctic Ocean as it surrounds Antarctica.

It is the coldest and wildest ocean in the world.

The Southern Ocean is home to emperor penguins, blue whales, elephant seals, giant squid and the wandering albatross.



Arctic Ocean



The Arctic Ocean is the smallest ocean in the world.

It surrounds the Arctic.

Often, the Arctic Ocean is completely covered in ice.

Polar bears live on the ice that covers the ocean and can swim in the water.

Did You Know...?

Because of climate change, the amount of ice covering the Arctic is getting smaller every year.

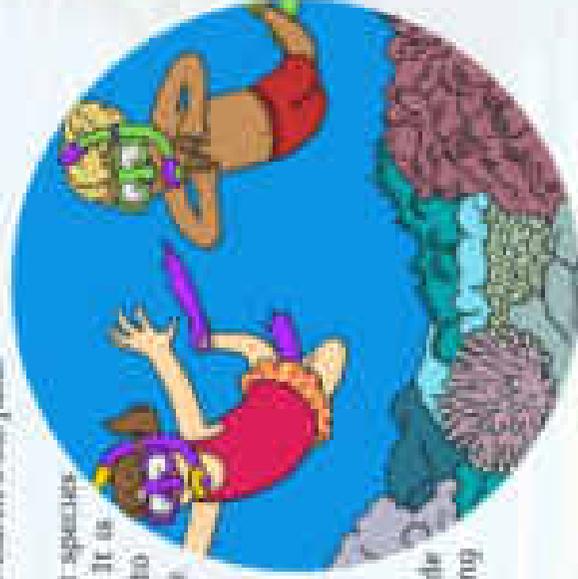
Why Are Oceans so Important?

Oceans make up over 70% of the Earth's surface.

There are over 700,000 different species of animals that live in the ocean. It is important to protect the oceans to make sure their habitats are safe.

The ocean is also full of tiny plants which help to produce oxygen, which we need to breathe.

On top of this, oceans also provide food for many creatures, including humans!



Divisions of the Earth

The Earth can be divided in many ways.

Today, we will learn about the seven most important divisions on the planet.

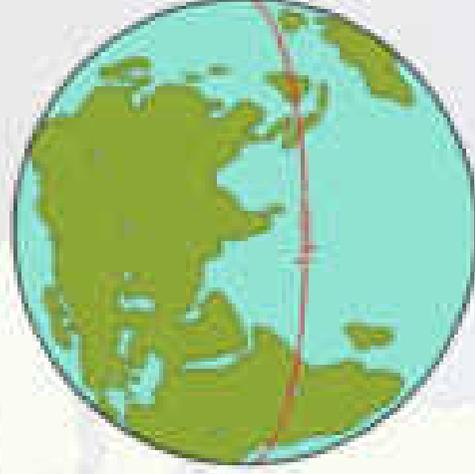
- equator
- northern hemisphere
- southern hemisphere
- tropic of Capricorn
- tropic of Cancer
- North Pole
- South Pole



Let's find out more!

Equator

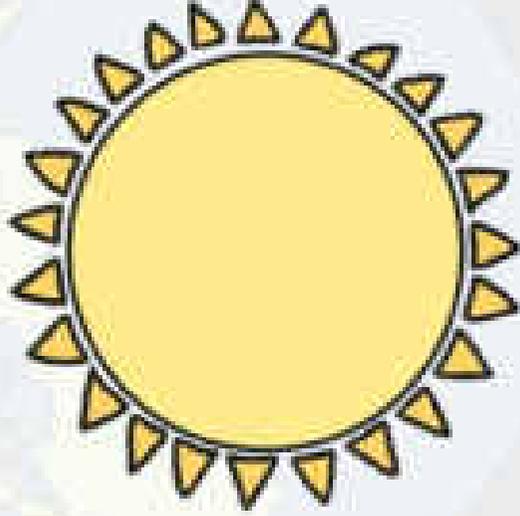
- The equator is an imaginary line that divides the Earth in half.
- The equator is an equal distance between the North and South Poles.
- The weather on the equator is hot all year round.
- At the equator, day and night are both 12 hours long.



Did you know?
Although the weather is generally hot, there is a mountain on the equator where you can ski!

Challenge Question

Why do you think places at the equator are hot?



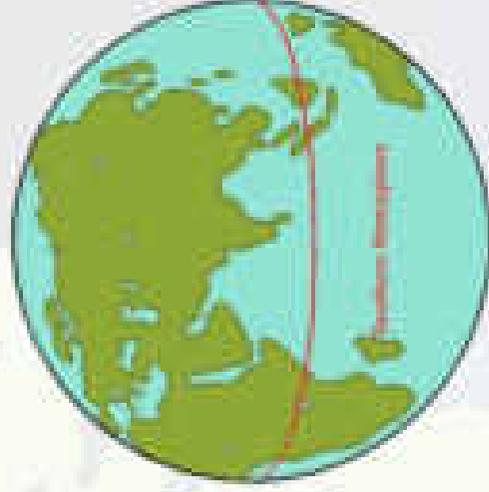
Northern Hemisphere



- The part of the Earth north of the equator is called the northern hemisphere.
- 60% of the world's population lives in the northern hemisphere.
- 40% of land is in the northern hemisphere.
- The northern hemisphere includes all of north America, Europe and most of Asia and Africa.

Southern Hemisphere

- The part of the Earth south of the equator is called the southern hemisphere.
- Only 20% of the world's population lives in the southern hemisphere.
- 90% of the planet's water is in the southern hemisphere.
- The southern hemisphere includes all of Australia, Antarctica and most of South America.



Did You Know?

When it is winter in the southern hemisphere, it is summer in the northern hemisphere.

Tropic of Cancer

- The Tropic of Cancer is an imaginary line in the northern hemisphere.
- It is also called the northern tropic.
- It is the furthest north you can ever go and still have the sun directly overhead.
- This happens once a year in June. This day is called the solstice.



Did You Know?

In Latin, the language the Romans spoke, 'cancer' means crab.

Tropic of Capricorn

- The Tropic of Capricorn is an imaginary line on the southern hemisphere.
- It is the opposite of the Tropic of Cancer.
- Similar to the Tropic of Cancer, it is the furthest south you can go and still have the sun directly overhead.
- This happens once a year in December. This day is also called the solstice.



Did You Know?

Every year, both Solstices move north or south a little bit!

Challenge Question

The Tropic of Cancer passes through 16 countries.

The Tropic of Capricorn passes through 10 countries.

Can you name any of them?



North Pole



- The North Pole is the northernmost point on Earth.
- There is no land at the North Pole, only ice. The ice is about three metres thick.
- No one visits the North Pole. It is an international waters.
- In summer, the sun never sets.

Did You Know?

At the North Pole, no matter which way you point, you will always face north!

South Pole



- The South Pole is the southernmost place on Earth.
- It is located on land topped by more than 3700 metres of solid ice.
- The South Pole is much colder than the North Pole.
- There is a scientific base at the South Pole where between 80 and 100 scientists live and work.

Did You Know?

The first person to reach the South Pole was also the first official person to reach the North Pole. His name was Roald Amundsen!

World Map Continent and Ocean Labelling



The image shows a worksheet template with four rounded rectangular boxes. The top-left box is blank. The top-right box contains four vertical lines. The bottom-left box contains 16 vertical lines. The bottom-right box contains 10 vertical lines. A vertical line is also present on the far left side of the page.

What Time Is It Now?



Time is different depending on where you are in the world. If it is daytime in the UK, it will be nighttime in Australia.

How do time zones work?

Midday (12 noon) is the time when the sun is highest in the sky.

The sun is highest in the sky at different times in different places in the world. So for every place in the world to have midday

when the Sun is highest, we have to divide the world into time zones.

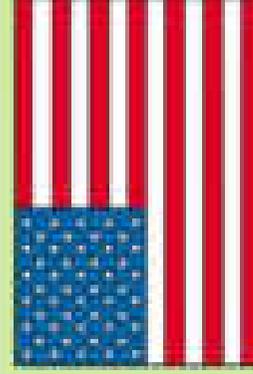
The Earth is a sphere divided into 360 degrees. The Earth turns 360 degrees in 24 hours. 360 divided by 24 is 15 degrees, so the Earth turns 15 degrees each hour.

The Earth has 24 different time zones- one for each hour in the day.

The Time Zones



All time zones are measured from a starting point at England's Greenwich Observatory. This point is known as the Greenwich Meridian or the Prime Meridian. Time at the Greenwich Meridian is known as Greenwich Mean Time (GMT) or Universal Time.

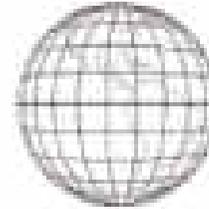


The Eastern time zone in the United States is known as GMT minus five hours (see map on the next slide). This means that when it is noon in the Eastern USA, it is 5pm in Greenwich.

Time Zone Text Messages

Read the holiday text messages and calculate what time is it in the United Kingdom?

Hello from Greece. It is 1:05 p.m. The time is 2 hours ahead of the UK.



Greetings from Austin, Texas, USA. It is 5:45 p.m. The time is 6 hours behind the UK.

Good afternoon from Canada. It is 5:15 p.m. The time is 5 hours behind the UK.

Happy holidays from Moscow, Russia. It is 7:20 a.m. The time is 2 hours ahead of the UK.

G'day from Sydney, Australia. It is 7:30 a.m. The time is 10 hours ahead of the UK.
