

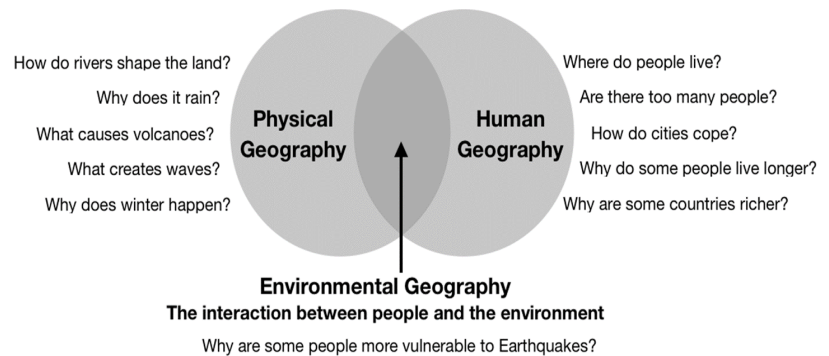
Knowledge organiser: Y7—What makes up planet earth?

KEY VOCABULARY	Latitude— the distance a place is north or south of the equator (measured in degrees north or degrees south)
Atmosphere—the thin, fragile layer of gases that surrounds the earth.	Lithosphere—the earth’s crust and upper layer of the mantle, including the landforms, rocks and soils found.
Biosphere—living matter on earth, including all plant and animal life .	Longitude—the distance a place is east or west of the Greenwich Meridian (measured in degrees east or degrees west)
Continent—a large land mass made up of several countries	Natural resource— substances that can be found in nature which can be used by humans for our benefit, such as coal, soils, water, minerals, wood, animals etc.
Country—a nation or state with it’s own government and occupying it’s own territory.	Non-renewable— substances that are limited and will run out one day. They cannot be replaced during our lifetime, such as coal, oil and gas.
Hydrosphere—the water on the surface of the earth, in oceans, rivers, lakes, rain and mist.	Renewable—a resource that can be replaced over time and will not run out in our lifetime, such as water, wind, forests.

What is a geographer?

- A geographer asks questions about the world and investigates the answers to these questions.
- In geography we also observe, record, predict, interpret, plan and solve.
- We use lots of tools to help us such as maps, photographs, data, the real world.

What is a geography all about?



How has our knowledge of the world developed?

- A map is a 2D representation of the earth’s surface.
- Maps can be different scales—showing the whole world , a country or a local place.
- Map were originally drawn by explorers who slowly discovered different parts of the planet.
- As more of the world was discovered maps of the world became more accurate.
- Maps are never completely accurate. But they help us understand what places are like and where they are in relation to each other.
- Satellite technology means maps are more accurate today then ever before.

Geographical Scales



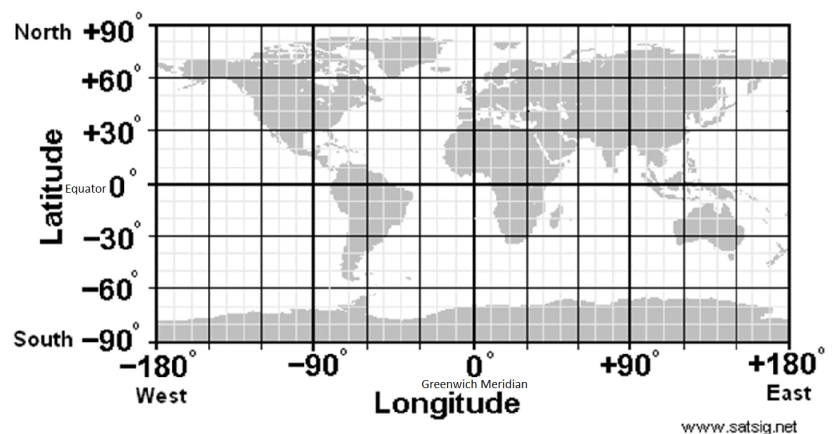
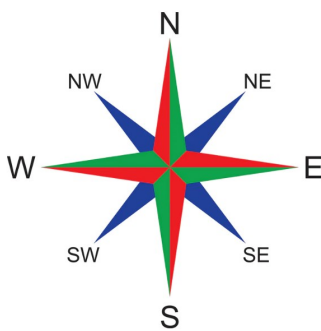
The world map

- On a global scale the world is divided up into 7 continents & 5 oceans.
- Each continent is divided into countries.



Locating places on a global scale— Direction, Latitude & Longitude

There are 4 main & 4 minor compass directions that we use to help locate places.



Latitude and longitude are imaginary lines that we use to help locate places around the world.

Latitude tells us how far north or south something is from the equator.

Longitude tells us how far east or west something is from the Greenwich Meridian

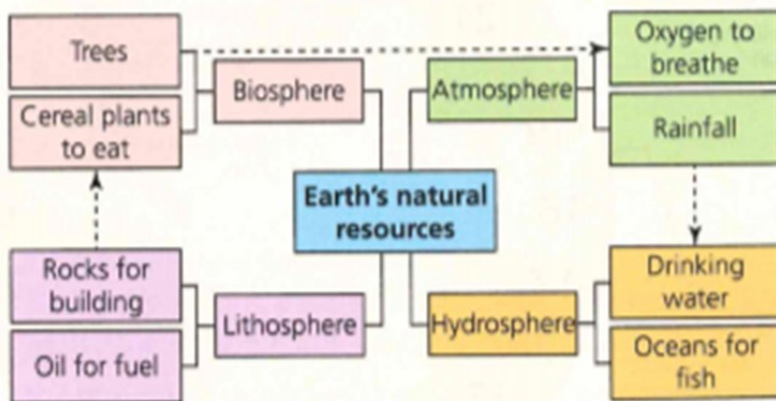
Locational knowledge of the UK

- We live in the UK which is part of Europe.
- The UK is made up of 4 countries—England, Scotland, Wales and N Ireland.
- The UK is surrounded by the North Sea, The English Channel and the Irish Sea.
- The North and West of the UK has upland areas and the South and east are lowland.
- Atlases are a good source of information to find out what countries are like.
- We use a map key to understand what a map is showing.



The earth sphere's and resources

- We can divide the earth up into spheres to help us organise our understanding of the world
- Earth is made up of different spheres that interact with each other.
- There are 4 main spheres. These are the atmosphere, lithosphere, biosphere and hydrosphere (including the cryosphere).
- Each sphere is linked to the others spheres in lots of different ways.



- Every sphere provides resources that humans use.
- Non-renewable resources can only be used once and will run out eventually. EG Fossil fuels
- Renewable resources will not run out. EG. Wind energy

Want to know more or check your learning? Use these websites to help!

Seneca Learning:

<https://senecalearning.com/en-GB/seneca-certified-resources/geography-ks3-1/>



BBC Bitesize—longitude & latitude

<https://www.bbc.co.uk/bitesize/guides/zqtyrd/revision/1>



BBC Bitesize—map projections and atlases

<https://www.bbc.co.uk/bitesize/topics/zm38q6f/articles/zy38kty?course=zpn8wnb>



Britannia Kids—latitude & longitude

<https://kids.britannica.com/kids/article/latitude-and-longitude/353366>

