

Year 9 Geography Knowledge Organizer



A. Fieldwork Skills



B. World of work



C. Living World



D. Environmental Challenges



E. Development



F. Restless Earth



G. Managing Coasts



H. Getting ready for GCSE



10 different ways you can use your Knowledge organizer:

1. Prepare for a spelling test of key words e.g. environment. Your teacher might misspell them on purpose, so be ready to correct their mistakes!

2. Prepare for a quiz at the start of the lessons – the answers are all the key words... Or you have to think of the questions instead!

3. Sort the key words somehow (into categories such as physical geography or human geography)

4. Use the key words by including them in an answer to a question you've been set by your teacher.

5. Check you know what the key words mean – talk about what they mean at home, take notes, or make a glossary containing definitions for them.

6. Make your own quiz or challenge for a classmate or your teacher. You could design a crossword using the key terms and use definitions for the clues.

7. Organise the key words in different ways – try making a spider diagram or a mind map.

8. Your teacher could ask you which words in the knowledge organiser are most relevant to the topic you are studying.

9. Make connections between the key words – you could draw a flow diagram to show how different words and ideas are linked.

10. Put a 😊 next to key words if you are confident that you know what they mean. Work on the others, and ask your teacher for some help if you need it.



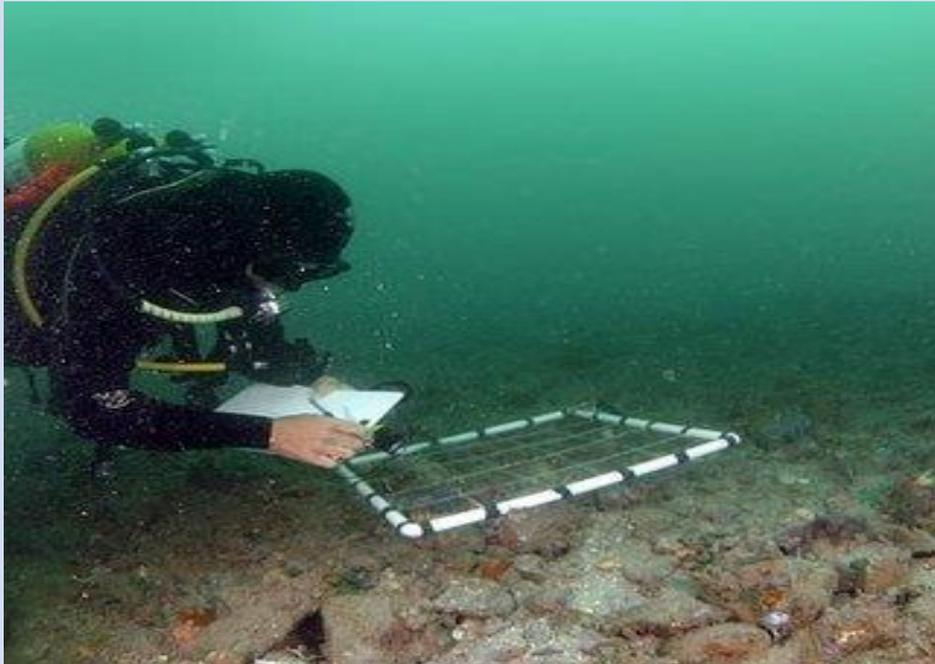
9A. Fieldwork Skills

What is this topic all about?

Outdoor fieldwork is an important tool for geographical investigations. You will learn about how to carry out your own fieldwork and get the opportunity to collect data.

Fieldwork Equipment 1

Can you name this piece of fieldwork equipment?



Fieldwork Equipment 2

How about this piece of fieldwork equipment?



Key Words

Fieldwork
Sampling
Random
Stratified
Systematic
Bias
Field sketches
Primary data
Secondary data
Transects
Latitude
Longitude
GIS
Quadrat
Clinometer
Prime Meridian
GIS

9B. World of work

What is this topic all about?

This topic is about work around the world. You will investigate the concept of globalisation and the impact it has on global trade. You will get an opportunity to carry out some fieldwork of your own.

What is the 'shopping hierarchy'?

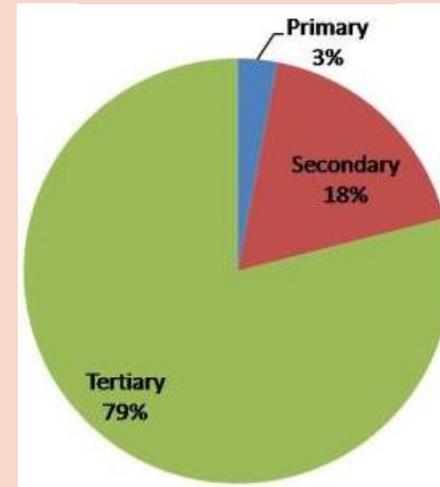
The shopping hierarchy is a model to help us to think about the places where we shop.
Why do you think it is a pyramid?



What are the advantages and disadvantages of the different shopping locations? Do you think the model is still relevant today as it was 20 years ago?

Employment Structure

The pie chart below shows the employment structure for the United Kingdom. You can see the different types of work we do.



What is 'primary employment'?
What types of jobs would that include?
What about secondary, tertiary, and quaternary employment?

Key Words

Employment
Primary
Secondary
Tertiary
Quaternary
Supply chain
Globalisation
Trade
Imports
Exports
Shopping hierarchy
Retail
Agriculture
Manufacturing
Services

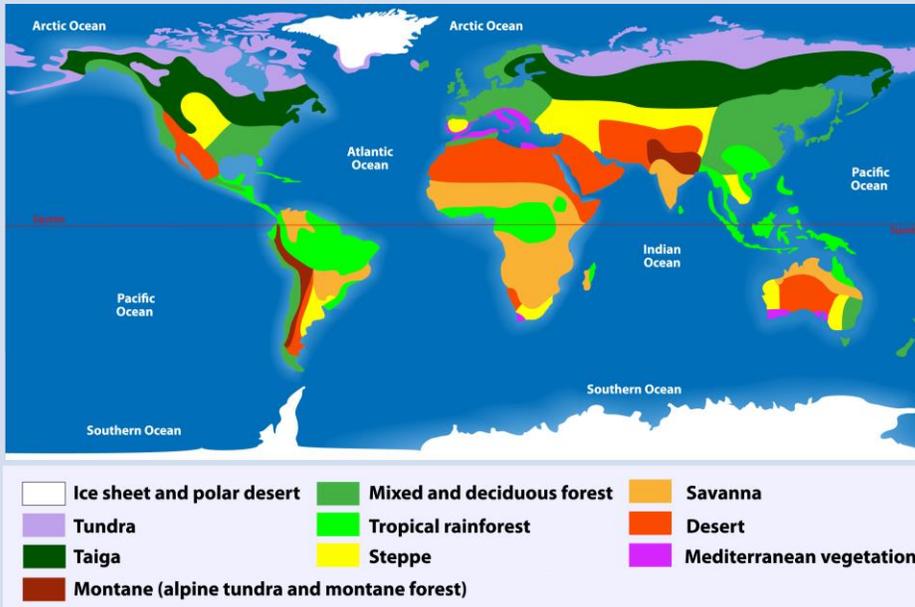
9C. Living World

What is this topic all about?

You will learn about large-scale ecosystems and the plants and animals that live in them. You will focus on tropical rainforests and consider why they are under threat, and what is being done to protect them.

World Biomes

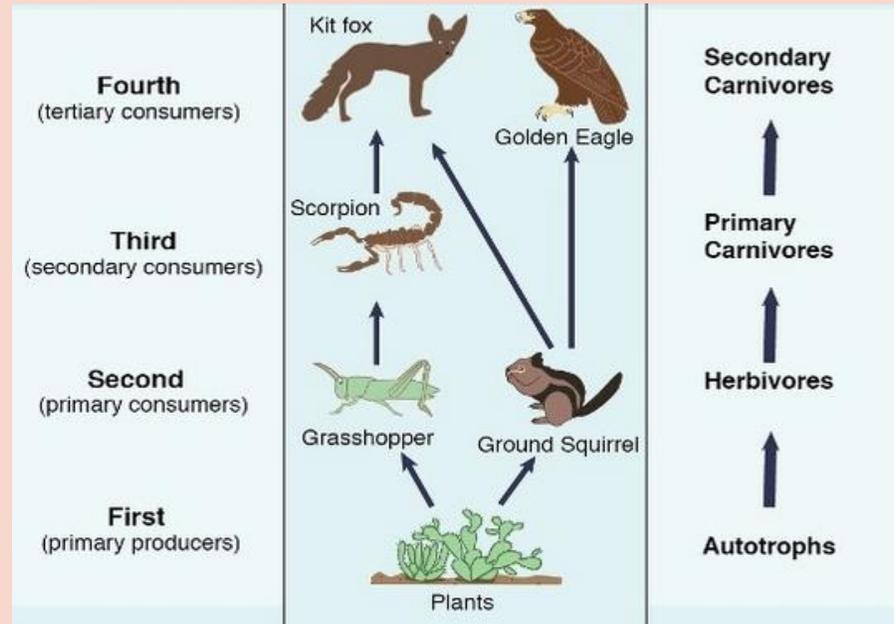
How many major biomes do you recognise?



Think about where they are located.
Is there a pattern?

Food chains

Why is this diagram called a 'food chain'? What is the difference between a producer and a consumer?



Can you draw a more complex 'food web'?

Key Words

- Climate
- Climate zones
- Ecosystems
- Biomes
- Tropical rainforest
- Deciduous forest
- Tundra
- Food chain
- Food web
- Primary producer
- Secondary producer
- Tertiary producer
- Predator
- Nutrients
- Photosynthesis
- Deforestation
- Adaptation
- Sustainability

9D. Environmental Challenges

What is this topic all about?

You will learn about some of the environmental impacts that human activity is having on the planet, looking at air and ocean pollution, and climate change.

Marine life

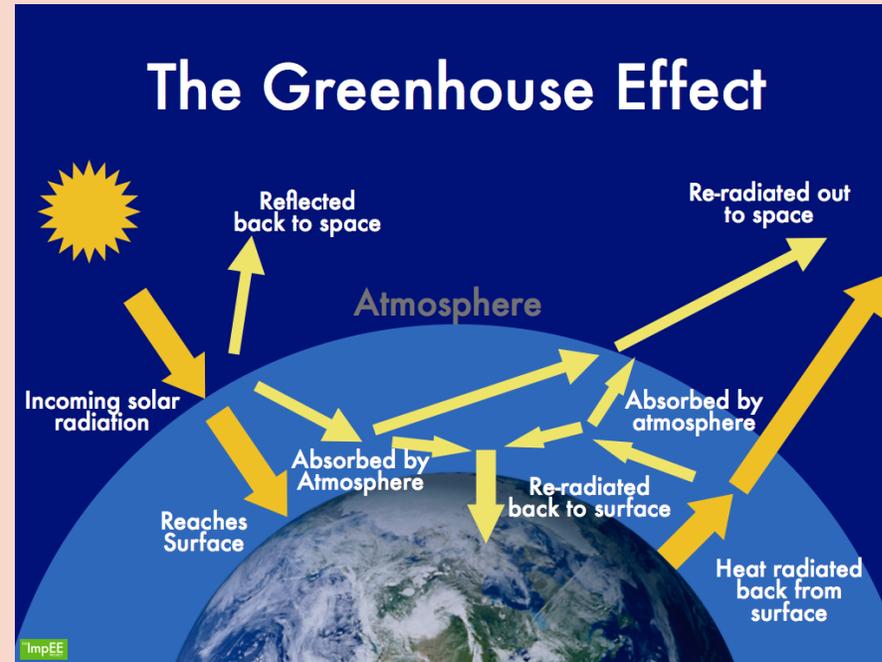
Is the sea turtle eating a jellyfish?



Look again.

The Greenhouse effect

Can you explain the greenhouse effect?



*Why is the greenhouse effect vital for life on Earth?
How is human activity adding to the greenhouse effect?*

Key Words

Air pollution
Environment
Particles
Carbon dioxide
Fast carbon cycle
Slow carbon cycle
Emissions
Climate change
Greenhouse effect
Gases
Acid rain
Microplastics
Wildlife refuge
Environment
Global commons
Mitigation
Adaptation

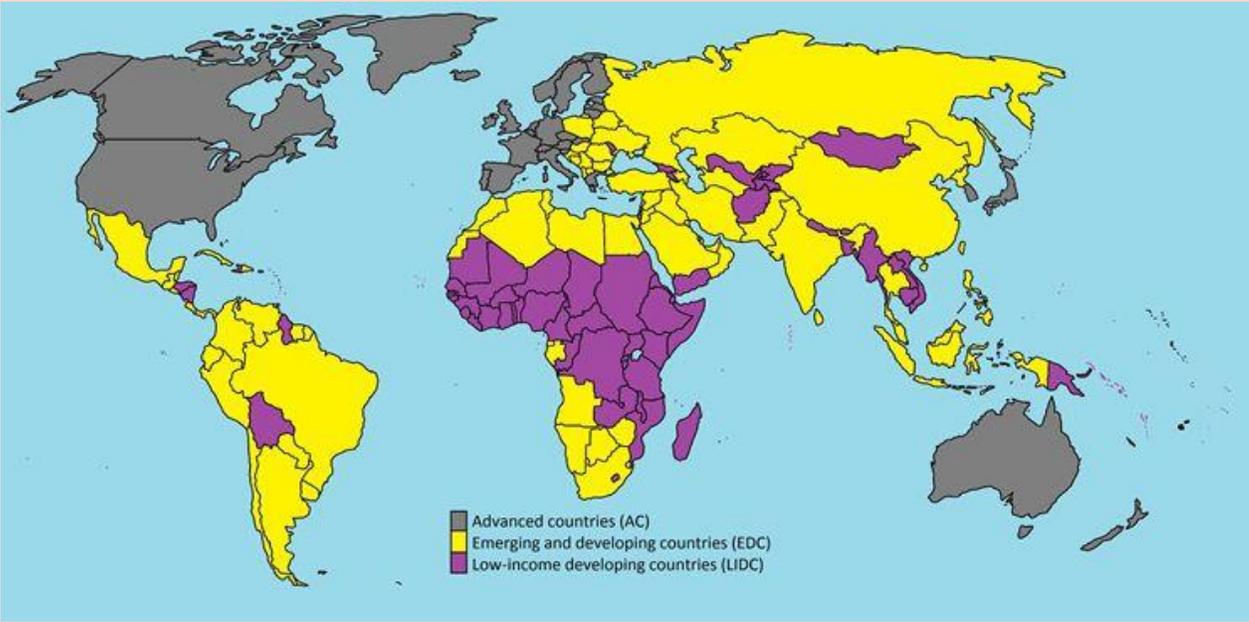
9E. Development

What is this topic all about?

This topic is about development and how it can be measured. You will explore reasons for uneven development around the world, and learn about efforts to reduce global inequality.

Global Development Map

Countries can be classified as being ACs, EDCs, and LIDCs. Look at the map key to see what these terms mean.



Can you name ten countries in each of the 3 classifications?

HDI

Norway is on top ... but on top of what?

RANK	COUNTRIES	HDI
1	NORWAY	0.944
2	AUSTRALIA	0.933
3	SWITZERLAND	0.917
4	NETHERLANDS	0.915
5	UNITED STATES	0.914
6	GERMANY	0.911
7	NEW ZEALAND	0.910
8	CANADA	0.902
9	SINGAPORE	0.901
10	DENMARK	0.900

What is HDI?
How is it calculated?

Key Words

- Development Indicators
- Water scarcity
- Aid
- AC
- EDC
- LIDC
- MDGs
- SDGs
- Sustainability
- GIS
- Quality of life
- Standard of living
- Life expectancy
- Birth rates
- Death rates
- Poverty
- HDI

9F. Restless Earth

What is this topic all about?

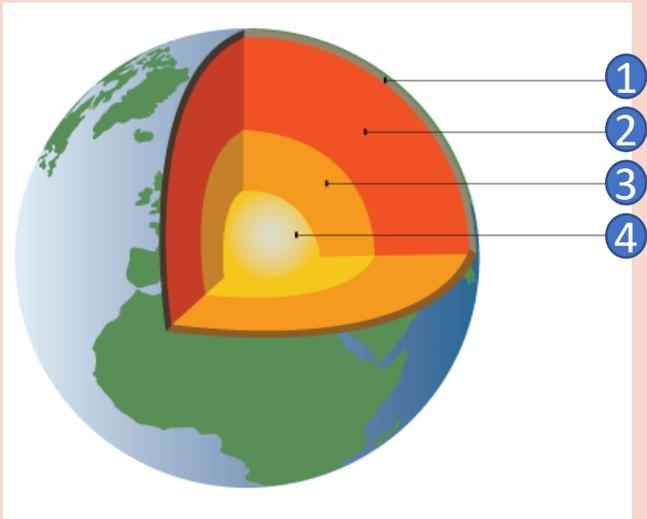
The surface of our planet is constantly changing. For this topic you will learn about how oceans are born and how continents are formed. You will study two natural hazards - earthquakes and volcanoes – to consider why they happen, and you will investigate whether they are ‘predictable’.

Key Words

Alfred Wegner
Continental drift
Pangaea
Tectonics
Plate margins
Constructive plates
Destructive plates
Conservative plates
Earthquakes
Focus
Epicentre
Volcanoes
Eruptions
Composite volcano
Shield volcano
Cinder cone
Pyroclastic surge
Supervolcano
Caldera
Hot spot

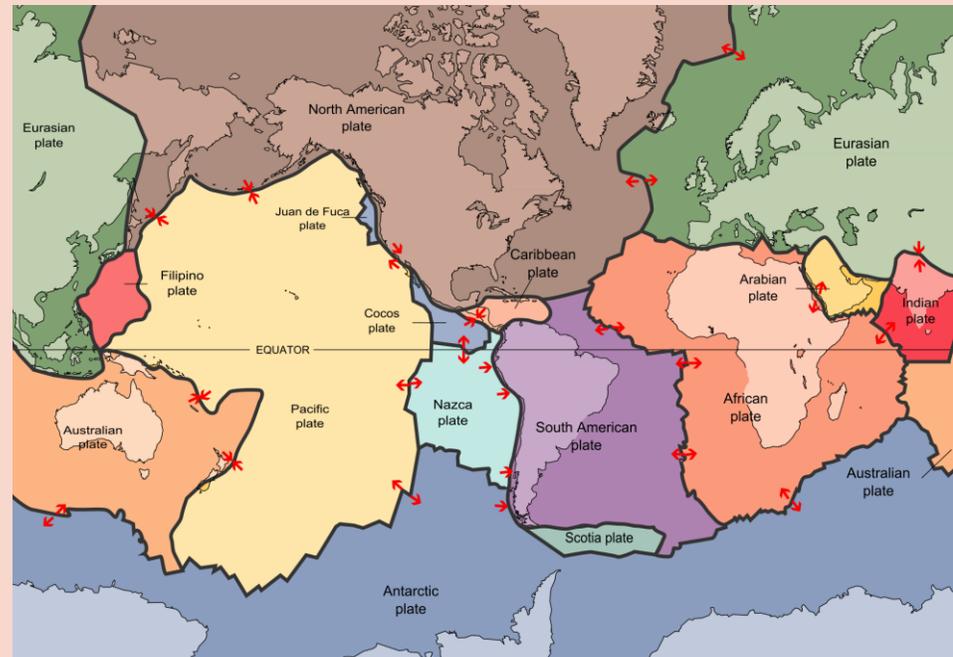
Earth structure

The Earth is made up of different layers – can you name them?



Tectonic Plate Map

The Earth's crust (the outer layer) is broken into pieces called tectonic plates.



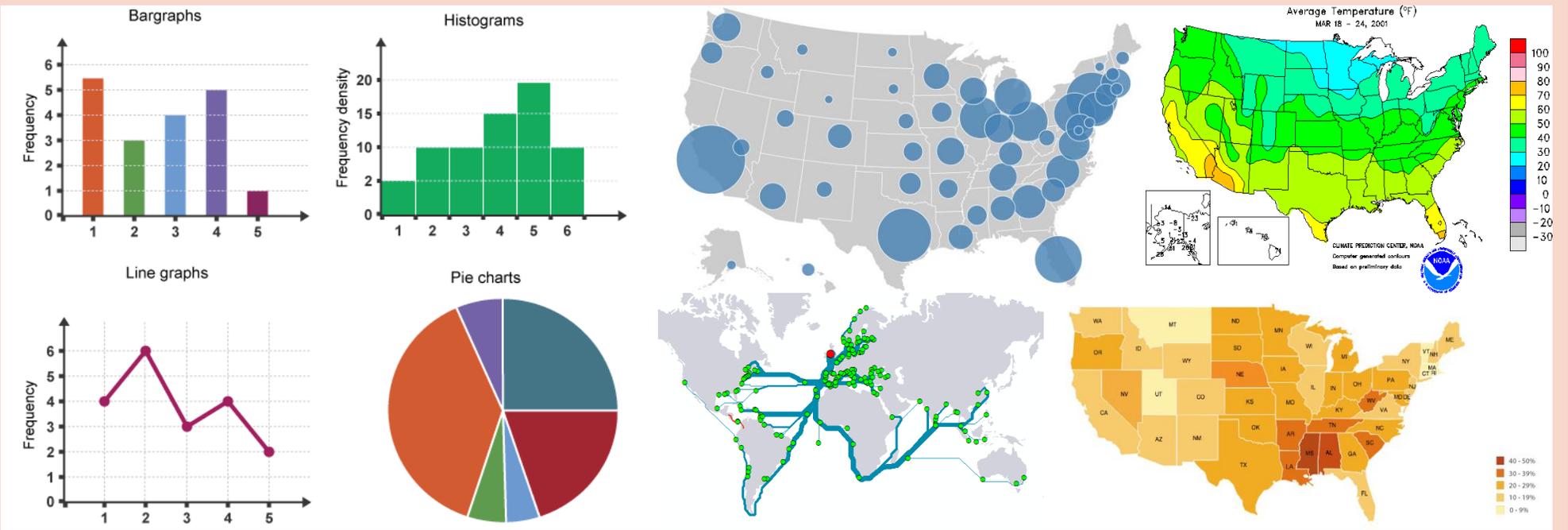
Which plate are you standing on? What hazards do you think are more likely to occur at the margins of plates (where two or more plates meet)?

9H. Getting Ready for GCSE

What is this topic all about?

For this topic you will learn about the GCSE course and skills required - and brush up on any areas you need to work on. Many of the skills are needed for other subjects, so will be useful to you whether you continue with geography next year or not.

Data can be presented using a variety of different methods on maps or graphs. Can you name these?



Clues: Many of the answers are in the key words box.

Key Words

- Command words
- Data presentation
- Bar graphs
- Line graphs
- Scatter graphs
- Pie chart
- Histogram
- Proportional symbols
- Isoline maps
- Dot line maps
- Choropleth map
- Flow line maps
- Grid references