**Year 8 Geography Revision**

The Year 8 Geographers have covered the following topics this academic year and need to be familiar with these for their upcoming end of year exams:

**Unit 1: Our Natural World: ‘How does water shapes our world’**

**Rivers:**

* Where are the world’s major drainage basins?
* What are the main characteristics of a drainage basin?
* What does a river look like in the upper, middle and lower course?
* How do the processes of erosion, deposition and transportation shape rivers?
* How are waterfalls and meanders formed?
* What causes flooding?
* Identify the main features of a river on an O/S Map

**Glaciers:**

* How do glaciers form?
* Where are glaciers found?
* How do glaciers move and shape the landscape?

**Coasts:**

## Locate the oceans and major seas

## How is the coast shaped by waves and tides?

* How do the processes of erosion, deposition and transportation shape the coastline?
* How are wave cut platforms, arches, caves, stack, stumps, headlands and beaches formed?
* Identify the main features of a coastline on an O/S Map

**Unit 2: Russia**

# Russia's regions and roles - Russia, Europe, Asia and the Ural Mountains

* How big is Russia?
* Where does Europe end and Asia begin?
* How old are the Ural Mountains and how were they made?
* How does the theory of plate tectonics work?
* What was Pangaea and when did it exist?
* What is ‘Eurasia’?

#  Russia’s big biome map

* What is a biome?
* How many different biomes are there in Russia?
* How does the environment and landscape vary between Russia’s biomes?
* Why does vegetation change with latitude and altitude?
* What is the difference between hot deserts and polar deserts?
* What is permafrost?
* Who lives in Russia’s extreme environments?

# Russia is a powerful place

* What do we know about Russian culture?
* What was the Cold War?
* How has the Russian territory changed over time?
* What different kinds of geopolitical influence can one country have over others?

# Russian resources

* What are fossil fuels?
* What kinds of fossil fuel are there and why are they unevenly distributed?
* Who relies on Russia for their energy supplies?
* What is an energy pathway?
* How does energy dependency influence geopolitics?

**Unit 3: Resources**

*(Not all topics in this unit will be covered before the exam – only the topics studied in class will be included!)*

### How resources shape the world, and where they fit into this story of resource use and exploitation. Understand some of the biggest issues facing the world in the 21st century and what can be done to resolve them.

**Key Questions**

* What is a resource?
* What does sustainable mean?
* How can the use of a resource be sustainable?
* How reliant are European countries on Russia’s oil?
* How does the energy security of the UK and Russia compare and how does this affect Russia’s global superpower status? What type of resource is Tuna?
* How does Tuna fit into the marine ecosystem?
* How sustainable is tuna as a food resource?
* Should tuna fishing be banned?
* What is a diamond and how is it formed?
* What makes diamonds a valuable resource?
* Where are diamonds found in the world?
* What is diamond rich Sierra Leone like?
* If Sierra Leone is diamond rich, why are all the people poor?**Key Words**

This is a list of key words you have learnt for each topic this year. Tips for success:

* Learn what the words mean
* Practice using them when correctly when explaining your answers
* Learn to spell the words correctly

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| --- | --- | --- |
| **Russia** | **How water shapes our world** | **Resources** |
| Russia Federation | **Coasts:** | **Rivers:** | Alluvial diamonds |
| Soviet Union | Energy | Source | By catch |
| Biome | Fetch | Mouth | Carrying capacity |
| Ural Mountains | Swash | Tributary | Commercial fishing |
| Caspain Sea | Backwash | Confluence | Conflict resource |
| Plains and Plateaus  | Tide | Drainage basin | Consumption |
| Baltic Sea | Prevailing wind | Watershed | Development |
| Volga | Longshore Drift | Upper course | Blood diamonds |
| Ob | Headland | Middle course | Ecosystem |
| Taiga | Bay | Lower course | Electricity generation  |
| Temperate Forest | Fault | Load | Energy security |
| Steppe | Cave | Channel | Essential resource |
| Mountain Forest | Arch | Erosion: | Finite |
| Tundra | Stack | * Hydraulic action
 | Food web |
| Population Density | Stump | * Attrition
 | Fossil fuel |
| Urban | Beach | * Abrasion
 | GDP |
| European Russia | Spit | * Solution
 | Igneous rock |
| Sakha | Wave cut platform | Transportation: | Impermeable rock |
| Superpower |  | * Traction
 | Magma |
| Poverty Line |  | * Saltation
 | Meteorite |
|  |  | * Suspension
 | Non-essential resource |
|  |  | * Solution
 | Oil |
|  |  | Deposition | Open pit |
|  | **Glaciers** | V shaped valley | Renewable |
|  | U shaped valley | Waterfall | Resource |
|  |  | Meander | Deficit |
|  |  | Oxbow Lake | Resource security |
|  |  |  | Scarce |
|  |  |  | Surplus |
|  |  |  | Sustainability |

**Useful websites**

Internet sites can be a useful source of additional geographical information for students, either for revision, research projects or to keep up to date with current events.

<http://www.bbc.co.uk/schools/gcsebitesize/geography/>

[www.coolgeography.co.uk](http://www.coolgeography.co.uk)

[www.guardian.co.uk](http://www.guardian.co.uk)

www.bbc.co.uk

<http://www.bbc.co.uk/learningzone/clips/>

<http://www.geographyinthenews.rgs.org/>

<http://www.lizardpoint.com/fun/geoquiz/afrquiz.html>