Wells Hall Primary School - Geography

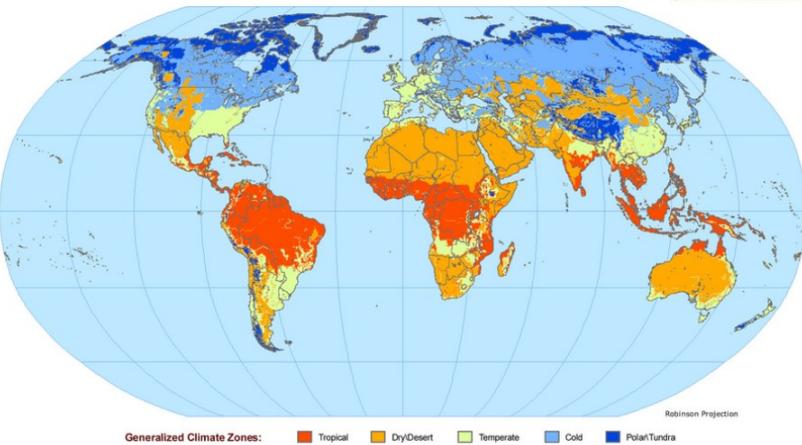| Topic: Vegetation Belts and Climate Zones	Phase: KS2	Strand: Human and Physical Geography (Concept: Biomes)

What should I already know?

- The seven **continents** and five **oceans.**
- The names of a variety of common **wild** and garden plants, including **deciduous** and **evergreen** trees.
- The **climates** of Kenya in the **continent** of Africa and the UK in the **continent** of Europe.

Geographical Skills and Fieldwork

- Use maps, atlases and **globes** to identify different **biomes**. What do you notice about the colours used to identify **deserts, tundra, rainforests** and **grasslands**?
- Label maps to show where **biomes** can be located.
- Complete a table to show what the **biomes** are in different parts of the world (e.g. North Africa, Central Australia, North Russia).
- Describe the relationship between **biomes** and **climate zones.**
- Research the annual **rainfall** in different **biomes** and show it in a graph.

Vocabulary

biome	a natural area of **vegetation** and animals
climate	the general weather conditions that are typical of it
climate zone	sections of the Earth that are divided according to the **climate**. There are three main **climate** zones; **polar**, temperate and **tropical**.
continent	a very large area of land that consists of many countries. Europe is a **continent**.
deciduous	a tree that loses its leaves in the autumn every year
desert	a large area of land, usually in a hot region, where there is almost no water, rain or **vegetation**
equator	an imaginary line around the middle of the Earth at an equal distance from the North Pole and the South Pole.
evergreen	a tree or bush which has green leaves all the year round
forest	a large area where trees grow close together
globe	a ball-shaped object with a map of the world on it
grassland	a large area covered by wild grass
humid	a **climate** that is very hot and damp
ocean	one of the five very large areas of salt water on the Earth's surface.
poles	the two opposite ends of Earth at its most northern and southern points
rainfall	the amount of rain that falls in a time period
rainforest	a thick forest of tall trees which is found in tropical areas
temperate	a place which is neverextremely hot or extremely cold
temperature	a measure of how hot or cold something is
tropical	The tropics have a **humid climate**, where the weather is hot and damp. They are near the **equator**.
tundra	a flat layer of land where the top layer is frozen. There is hardly any **vegetation**.
vegetation	plants, trees and flowers
wild	animals or plants that live or grow in natural surroundings and are not looked after by people

Generalized Climate Zones: ■ Tropical ■ Dry\Desert ■ Temperate ■ Cold ■ Polar\Tundra

Robinson Projection

■	**tropical**
■	**desert**
■	**temperate**
■	cold
■	**polar tundra**

Biome Descriptions

Biome	Typical **Climate**	Image	Example of location
tundra	very cold and dry all year round		North Russia, North and South Pole
desert	dry and hot all year round		North Africa, Central Australia
rainforest	hot, **humid** and wet all year round		South America
temperate forest	cool winters and mild summers		UK, Russia, Europe
grassland	cold winters and hot summers		United States of America

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Topic: Vegetation Belts and Climate Zones	Phase: KS2	Strand: Human and Physical Geography (Concept: Biomes)

Question 1: Which **two** of these are likely to have the least vegetation?	Start of unit:	End of unit:
tundra		
forest		
desert		
rainforest		

Question 3: Complete the sentence: The closer an area is to the _____, the more tropical the climate is.	Start of unit:	End of unit:
poles		
equator		
UK		

Question 2: The weather in the tundra is usually…	Start of unit:	End of unit:
hot, humid and wet		
very cold and dry		
cool winters and mild summers		

Question 4: Order these places according to the amount of vegetation there is. 1 is the highest amount of vegetation, 3 is the least.	Start of unit:	End of unit:
rainforest		
desert		
grassland		

Question 5: Match these biomes to their pictures, then match the picture to the description of the climate. One has been done for you.	Start of unit:	End of unit:

tundra

rainforest

grassland

desert

very hot and dry all year round

very cold and dry all year round

cold winters and hot summers

hot, humid and wet all year round