







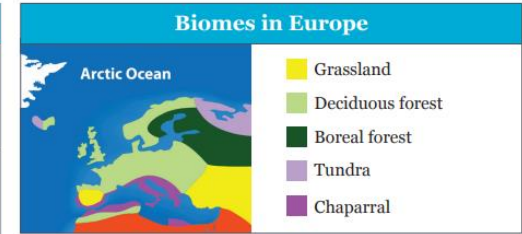


Climate Zones and Biomes Knowledge Organiser

Vocabulary		
1	Climate	The weather conditions in an area over time
2	Biome	An area with similar plants and animals
3	Vegetation belt	Smaller regions indicating where vegetation grows
4	Polar and subpolar zone	Areas in the north and south of the globe
5	Temperate zone	Areas of mild temperature
6	Equatorial and Tropical zones	Area in the centre of the globe with a hot temperature
7	Arid zone	Areas north and south of the tropics



Biome	Definition
8 Rainforest	A thick forest that has a lot of rain
9 Savannah	A grassy plain in tropical and subtropical regions with definition
10 Desert	A waterless area with little or no vegetation
11 Chaparral	An area that has mainly shrubs and thorny bushes
12 Grassland	A large open area covered with grass
13 Deciduous forest	A forest that has trees that lose their leaves each year
14 Boreal forest	A forest made up of coniferous plants in cold areas
15 Tundra	A flat, cold, treeless area

Challenges of a biome for humans	
	Rainforest: <ul style="list-style-type: none"> • It can rain more than 250cm a year • It is difficult to grow crops • Diseases spread easily
	Savannah: <ul style="list-style-type: none"> • It rarely rains • It is difficult to find water • It is difficult to grow crops
	Desert: <ul style="list-style-type: none"> • It is often dangerously hot or cold • It is difficult to find water • There are limited food sources
	Chaparral: <ul style="list-style-type: none"> • Fires can easily start • The winter is very wet • The summer is very dry
	Grassland: <ul style="list-style-type: none"> • Fires can easily start • Limited building materials • Droughts common
	Deciduous forest: <ul style="list-style-type: none"> • Limited open spaces • Weather limits when plants can grow • Transport is difficult
	Boreal forest: <ul style="list-style-type: none"> • Limited open spaces • Transport is difficult • Cold in winter
	Tundra: <ul style="list-style-type: none"> • Dangerously cold in winter • Poor nutrients in the soil • It rarely rains





Overcoming the challenges of a biome

Deciduous forest
Lake District, United Kingdom

In many parts of the UK, including the Lake District, deciduous forest has been cut down and cleared (on flat ground). This makes space for the growing of crops and the grazing of animals.

Grassland
Southern Spain

In Southern Spain, in the summer months when droughts are common, water is transported from lakes and reservoirs to keep the soil fertile and allow crops to grow.

