

Climate and Weather

Vocabulary	Definition
desert	An area with little precipitation and few or no plants growing in it. This includes sandy areas and the polar regions.
evolved	Develop, change, or improve by steps.
humidity	Water vapor or moisture in the air.
lichen	A living thing that is a fungus and a form of algae or special bacteria living together.
moss	A small, green plant without flowers that grows in soft, thick clumps. Moss grows in mats on rocks, trees, and wet ground.
polar	Of or having to do with the North Pole or South Pole of the earth
rainfall	The amount of rain that falls over a certain area during a certain period of time.
sedges	A large number of grasslike plants with solid stems, many of which grow in marshy areas.
sub-tropical	Of, pertaining to, or being the regions immediately north or south of the tropics.
tropical	Of, having to do with, characteristic of, or happening near the equator.
weather	The conditions outside at a particular place and time.

Geography is the study of places and the relationships between people and their environments.

Knowledge vault

- Weather represents the day-to-day levels of these things and that climate represents an average for a given area
- A desert is a region with extremely low precipitation; the world's largest desert is in Antarctica – although it's not hot, there is little rainfall.
- Earth can be divided into polar, temperate, sub-tropical and tropical zones and each tends to have different climates and biomes.
- A biome is a community of plants and/or animals that share characteristics based on the environment in which they live.
- Temperate zones: Greenland is polar, Germany is temperate, Portugal is subtropical and Peru tropical.
- The climate of an area determines the vegetation and animals which thrive there.
- There are 5 different types of vegetation region in the world: forest, grassland, tundra, desert, and ice sheet; know that these regions are determined by the climate of an area.
- Forest regions are covered in trees; grasslands are dominated by thick grass; tundra regions are areas where tree growth is hindered by low temperatures and a mixture of grass, sedges, lichen and moss dominate; ice sheet regions are large masses of ice where very little plant-life can survive.
- When areas of land that are usually dry become covered with water, this is called a flood; floods can be caused by heavy rainfall and storms that lead to temporarily higher sea levels along a coast; floods can lead to destruction of property and even death.
- Areas of the UK experience floods and some areas of the world experience annual floods.
- Different maps of the world show the land masses in different ways; this is because it is not possible to accurately represent a 3D curved surface on a 2D plane

Hot and Cold Deserts

Deserts are very dry places. Some deserts are hot but some are very cold!
The Antarctic and the Arctic are two cold deserts!



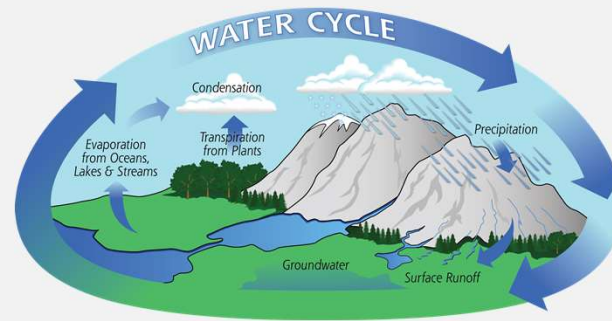
Did You Know...?

The hottest desert in the world is the Sahara Desert in Africa.

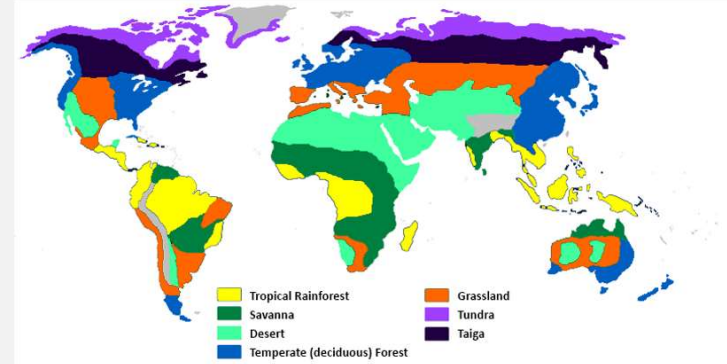
Places to visit: Carsington Water Visitors' Centre



Websites: Eden project



Land Biomes



TYPES OF BIOMES



There are four main types of flooding:

Fluvial

Caused by rivers bursting their banks.



Pluvial

Caused by rainwater.



Coastal

Caused by high tides and storms.



Plumbing

Broken pipes in houses and other properties.

