

# Autumn 2: In the Zone

## Key Questions

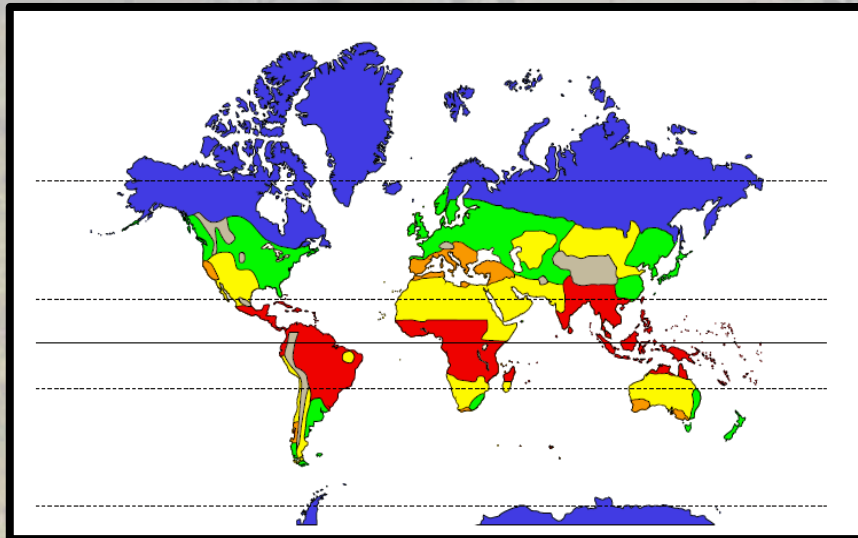
- ❖ Why does a place's location in the world affect its climate?
- ❖ What on earth is a climate zone?
- ❖ How is the climate in the UK different to that in the tropics?
- ❖ How does the climate vary around the world?
- ❖ What is the weather like on a typical day in different climate zones and how have humans adapted to live there?
- ❖ What is special about each climate zone?

## The World's Climate Zones

- ❖ Arid (hot and dry)
- ❖ Mediterranean (dry summers and mild, wet winters)
- ❖ Temperate (no extreme weather, with rainfall throughout the year),
- ❖ Tropical (high temperatures all year round, with lots of rain), Polar (a dry climate with very low temperatures)

## Key Vocabulary

- ❖ Arid
- ❖ Mediterranean
- ❖ Temperate
- ❖ Tropical
- ❖ Polar
- ❖ Axis
- ❖ Orbit
- ❖ Equator
- ❖ Latitude
- ❖ Season
- ❖ Northern Hemisphere
- ❖ Southern Hemisphere
- ❖ North Pole
- ❖ South Pole
- ❖ Meteorologist
- ❖ Precipitation
- ❖ Temperature
- ❖ Weather Station



Arid



Mediterranean



Temperate



Tropical



Polar

## Key Places

- ❖ Cairo, Egypt
- ❖ London, United Kingdom
- ❖ Manaus, Brazil
- ❖ Nuuk, Greenland
- ❖ Santiago, Chile
- ❖ Seville, Spain

### Useful Links

- ❖ <https://www.bbc.co.uk/teach/class-clips-video/articles/zjdthbk>
- ❖ <https://kids.britannica.com/kids/article/climate/352972>
- ❖ <https://www.bbc.co.uk/bitesize/articles/z7dkhbk#zpnmxbk>

### Climate and the World

Climate zones are regions with similar long-term patterns of weather, like a place's typical temperature and rainfall. They are essentially areas with a distinct climate, which influences what plants and animals can live there

**Arid**



**Mediterranean**



**Temperate**



**Tropical**



**Polar**



## Key Information

Climate	Climate is the average daily and seasonal weather patterns over a long period of time.
Climate Zone	a part of the world where places have a similar climate (i.e. arid, Mediterranean, temperate, tropical, polar)
Equator	The equator is an imaginary line that goes all the way around the earth. The closer you live to the Equator, the hotter it is.
Latitude	An imaginary line that runs east to west around the Earth, parallel to the Equator. It helps us find the distance of a place north or south of the Equator, using degrees
Weather	The day-to-day condition of the atmosphere, describing what it's like outside at a specific time and place, such as sunny, cloudy, rainy, or snowy. It's the short-term conditions of the air, including temperature, wind, and precipitation.
Precipitation	When water in the atmosphere falls back down to Earth as rain, snow, hail, fog or sleet. It's a key part of the water cycle.
Meteorologist	Meteorologists are like weather detectives! They look at the air around us (the atmosphere) to figure out what the weather will be like. They use tools like satellites, radar, and weather balloons to gather information.