



Climate and weather **Geography KNOWLEDGE ORGANISER**



ESSENTIAL VOCABULARY	
Climate	The weather conditions prevailing in an area in general or over a long period of time.
Weather	The state of the atmosphere at a particular place and time, .i.e., heat, cloud, sun, wind, rain etc.
Biomes	A large naturally occurring community of flora and fauna occupying a major habitat, .e.g., a forest or woodland.
Fauna	Animals
Flora	Plants
Humidity	A quantity representing the amount of water vapour in the atmosphere or in a gas.

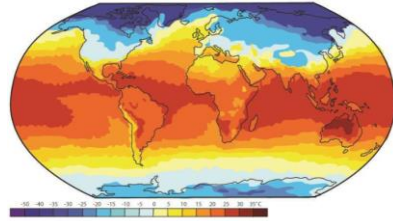
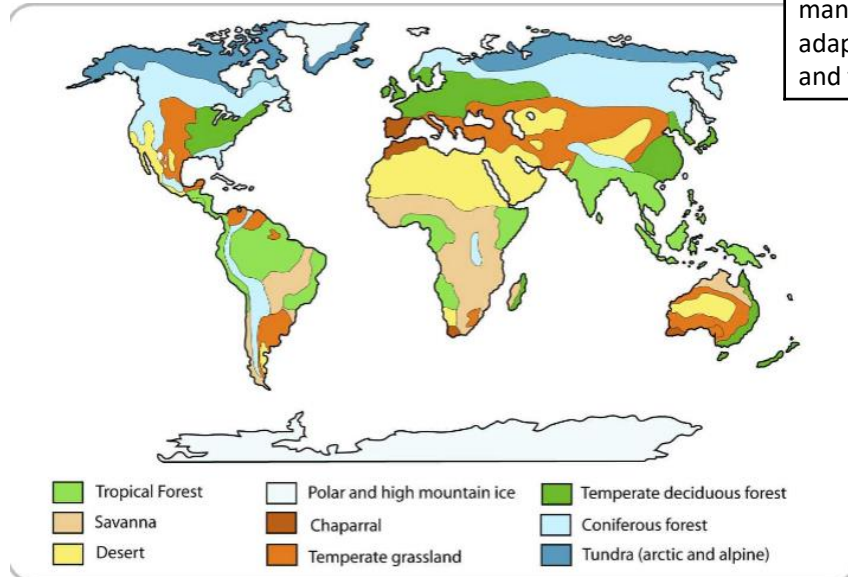
Useful Information

There is often confusion about the difference between weather and climate.

Weather is short term. It is what happens in our atmosphere from day to day. It includes precipitation, temperature, wind and humidity. Weather varies from place to place, from day to day and from season to season. The range of weather in a place is a characteristic of its climate.

Climate is long term. It refers to the average weather pattern of a place over many years. Climates can be predominately hot, cold, wet or dry, hot and wet, hot and dry, and so on. The climate of a place affects the soil, flora and fauna of that place, and impacts on human activity in a variety of ways.

Biomes include deserts, forests, grasslands, tundra and aquatic environments, biomes are defined by the climate, soil, organisms, flora and fauna of a large area. Each biome consists of many ecosystems whose communities have adapted to the small differences in climate and the environment inside the biome.

By the end of this topic, I will be able to

- Locate some of the world's climate zones on a globe or map, name examples and have some understanding of them.
- Extract geographical data (e.g., rainfall, temperature, weather, climate/vegetation zones) from pictorial/graphical representations.
- Describe and give examples of the variety of biomes and vegetation belts.
- Use appropriate geographical vocabulary to describe weather, climate, climate zones, biomes and vegetation belts.
- Identify the world's hottest, coldest, wettest and driest locations.