



KNOWLEDGE ORGANISER

GEOGRAPHY: Is climate cool?

Y3 SPRING TERM

KEY VOCABULARY:	
WORDS	MEANING
Biome	geographical area defined by its climate, plant and animal life and the activities of the people who live there
Climate	weather patterns in a place over a long period, such as seasonal rainfall, sunshine and temperatures
Desert	area with very little rain, extreme heat and/or cold, where few forms of life can survive
Drought	period with very little or no rain
Environment	conditions to which a plant, animal or person is adapted
Fauna	animals native to an area, such as birds, reptiles and insects
Flora	plants native to an area, such as trees, climbers, flowers and grasses
Grassland	large area covered with grasses
Rainfall	measured level of water that has fallen as rain, snow, sleet or hail in a given period
Temperature	measured level of heat or cold in the air
Tropical	to do with the region on either side of the Equator, between the Tropics of Cancer and Capricorn
Tundra	land where the soil beneath the surface is frozen all year and trees cannot survive the low temperatures and short growing season
Vegetation belt	area where similar types of plant life grow, adapted to the conditions there
Weather	conditions in the atmosphere on a particular day, such as temperature, windiness, rainfall, hours of sunshine or cloud cover.

KEY KNOWLEDGE:
QUESTION 1: What are climate zone and biomes?
ANSWER Climate zones are divisions of the earth's climates into general climate zones according to average rainfall and average temperatures. The three major climate zones on earth are the polar, temperate and tropical zones (which have warm temperatures and more rain). A biome is an ecological area on the earth's surface with plants and animals due to a shared climate. These cover large areas.
QUESTION 2: What is it like in the polar climate zone?
ANSWER Polar climate zones are the coldest with temperatures generally below freezing.
QUESTION 3: What is it like in the tundra biome?
ANSWER In the Tundra biome tree growth is stopped by low temperatures and short growing seasons. Tundra means uplands. The vegetation is made of dwarf shrubs, grasses, moss and lichens.
QUESTION 4: What is it like in the temperate climate zone?
ANSWER Temperate climate zones have moderate temperatures and rainfall throughout the year.
QUESTION 5: What is it like in deciduous forest biome?
ANSWER There are plant communities formed under climate conditions which have great seasonal variances. Growth occurs in warm summers and leaves drop in autumn leaving them dormant in winter.



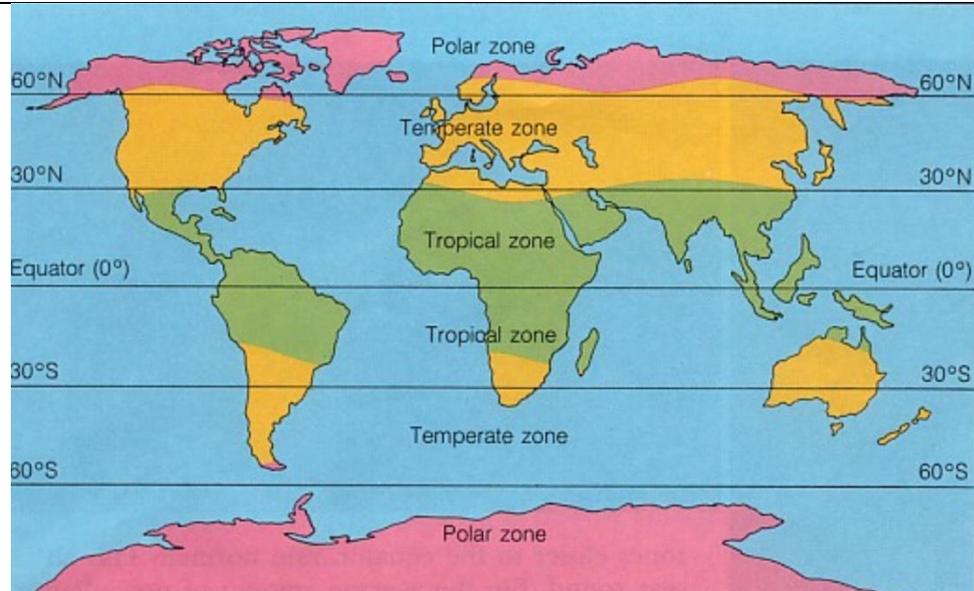
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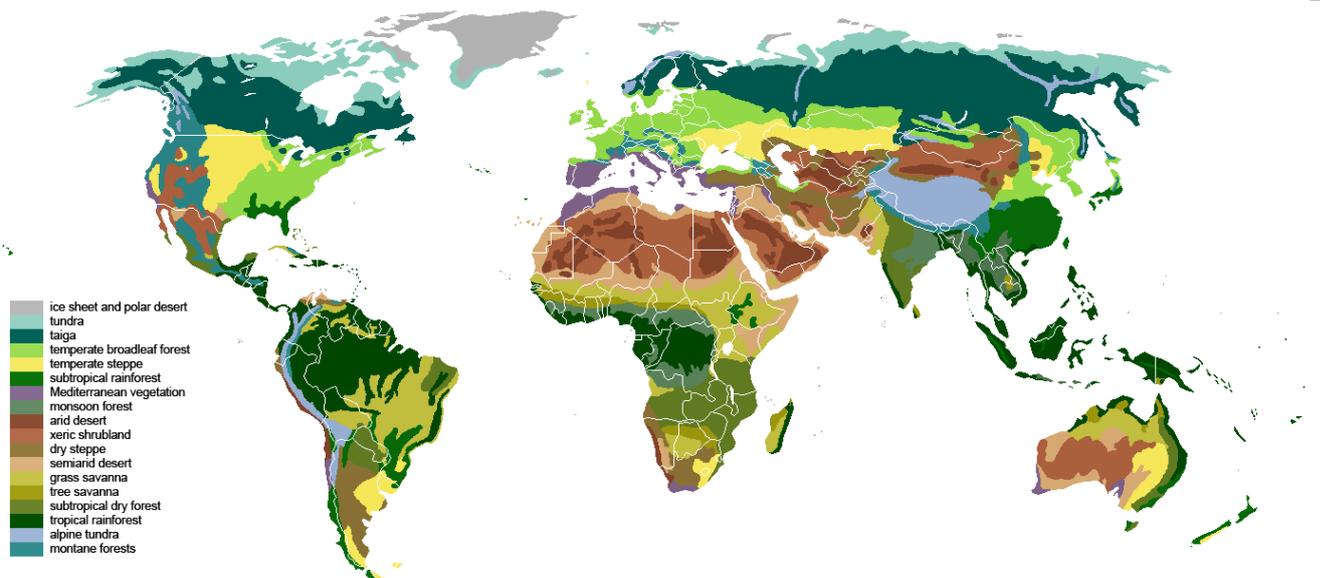
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RELATED INFORMATION:

CLIMATE ZONES



BIOMES



SUGGESTED WEBSITES TO FIND OUT MORE:

www.online.kidsdiscover.com/unit/biomes

www.bbc.co.uk/education/clips/zr7hyrd