



What I should already know

Brazil –Climate and comparison to Galloway Park.

Key Knowledge and skills

To know that tropical Rainforests cover about 6% of the earths surface. They occur in sub-equatorial climate zones which are in the tropics.

Know that rainforests are located in countries such as Brazil, democratic republic of the Congo, Indonesia, Peru and Columbia. Locate these countries on a map.

Know that desert biomes are located in North America, South America and Arabian Peninsula. Locate these on a map using digital mapping.

Identify the physical features of a Tropical biome e.g precipitation and compare this to a Desert biome. Congo and Chihuanhuan desert.

Identify the physical features of a desert biome e.g It's dry. It only has two seasons, summer and winter. Summer is the rainy season with smaller amounts of rainfall occurring in the winter.

Name plants and animals that are living with the subtropical biomes e.g Bromeliad, Cacao tree, carnivorous plants, epiphytes and Rubber trees. Clear Winged butterflies, dragonflies, Goliath Bird Eater spider, Leaf Insect and Long Horned Beetles.

Name plants and animals that are located in a desert biome The Chihuahuan desert is home to about 345 of the world's 1,500 cactus species. The cacti and other plants are a crucial part of the desert ecosystem, providing shelter and food for birds, bats and other animals.

Compare and contrast Congo rainforest and Chihuahuan Desert Mexico. Consider the Human processes that affect each biome. e.,g A water crisis and other threats, however, are endangering the survival of wildlife and people living in this environment

Understand the locations of the biomes in relation to the Tropic of cancer, equator and Tropic of Capricorn

Unit outcome

Compare and contrast the location of desert biomes and tropical biomes.
Investigate physical features of two biomes.
Consider the human processes that affect each biome. Explain how the location of the country effects the vegetation and climate.

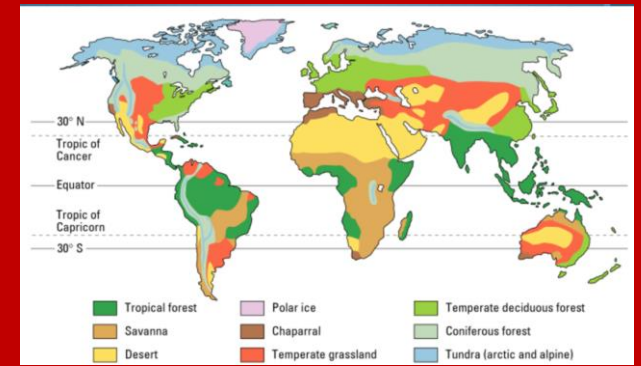


Vocabulary

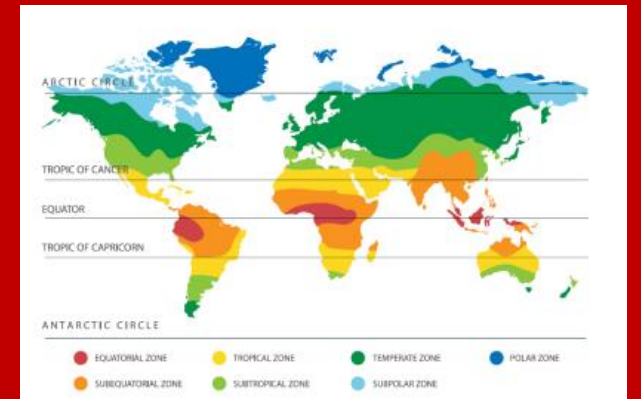
Biome	Biome a natural area of vegetation and animals
Climate zone	Sections of the Earth that are divided according to the climate. There are three main climate zones; polar, temperate and tropical.
Desert Biome	Desert biomes are dry areas that receive very little rain. Deserts can be hot or cold. Most hot deserts are found near the equator.
Tropical Biome	Tropical rainforests are located in the tropics, near the equator. Most rainforests get at least 75 inches of rain with many getting well over 100 inches in areas. Rainforests are also very humid and warm. Because they are close to the equator, the temperature stays between 70 and 90 degrees F for most of the year.
Tropic of Capricorn	The Tropic of Capricorn, or Southern tropic, is one of the five major circles of latitude of a map of the Earth. ... It marks the most southerly latitude at which the sun can appear directly overhead.
Tropic of Cancer	It is an imaginary latitude line located above the equator that runs across the globe at about 23 degrees north.
Species	A group of animals, plants or other living things that all share common characteristics.
Equator	An imaginary circle around the middle of the Earth
Inhabit	To live in
Precipitation	Rain, snow, sleet or hail.
Sub-equatorial	Close to the equator

Key Questions

What are the different types of biomes?
What are the differences between the desert and sub tropical biomes physical features?
Can you name some animals and plants that live in each biome?
Can you explain why they live in that particular climate?
Have you made links to other biomes you have studied this year?
How does the closeness to the equator affect the climate zone?



There are ten biomes tropical rainforest, temperate deciduous forest, desert, tundra, tiaga, grassland, savannah, marine, freshwater and ice.



Climate is the average weather expected in a place (weather is the day-day conditions in a place). Earth has seven zones of expected climate: polar, sub-polar, temperate, tropical, subtropical, equatorial and sub-equatorial. Biomes are directly linked to climate zones.

