

# Plants of the World

## Learning Objective:

To explore what biomes are and identify major biomes around the world.





**What are these two plants? Do you think they would grow in the same part of the world? Why or why not?**

**BACK**

**NEXT**





All plants need the same things in order to survive. They need air, nutrients (food), water and light. However, just like animals, plants need to be able to adapt to the environment they live in. Some plants can survive in really cold areas, others in really hot areas, some in dry areas and some in wet areas.



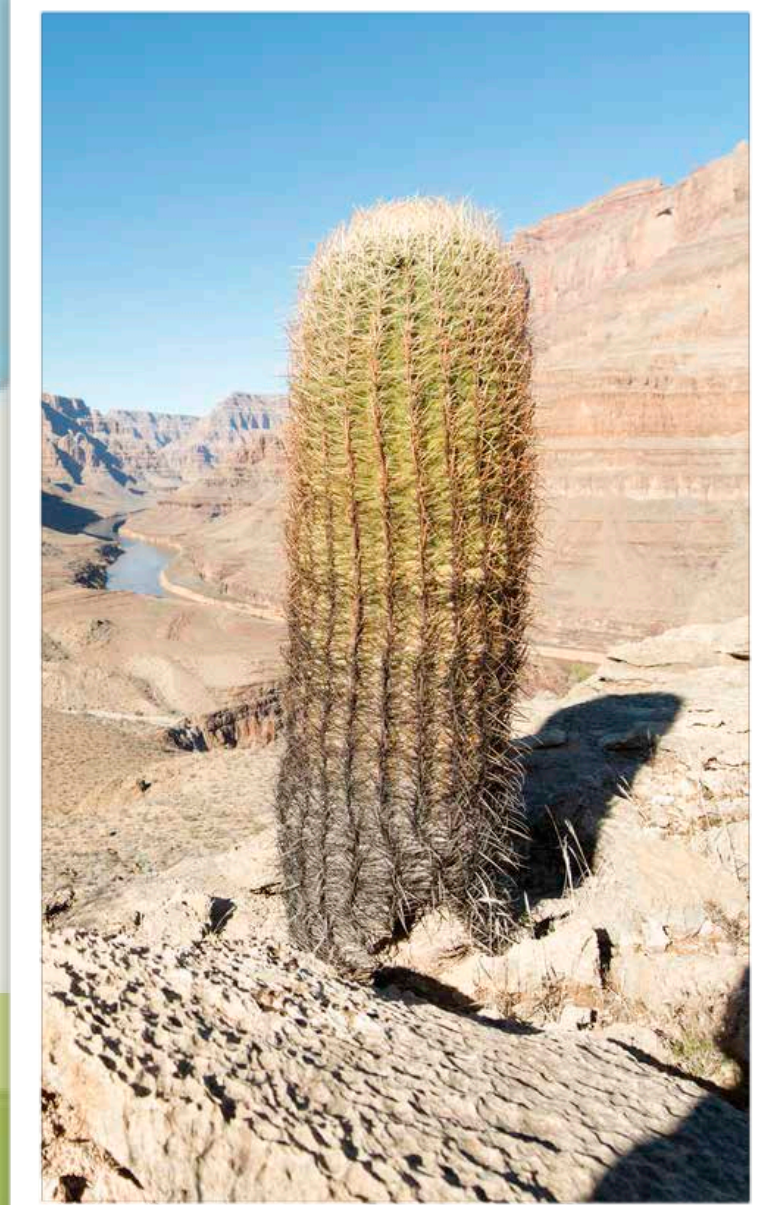
Black cohosh flowers grow in moist, shady areas.



Palm trees like hot, sunny areas with no frost.

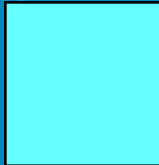

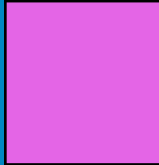
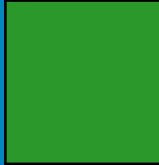
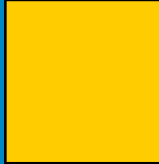
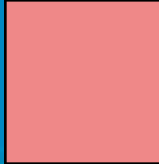


Many vegetables like cabbage and spinach can grow even in frost.



Cacti can survive without water for long periods, sometimes years.



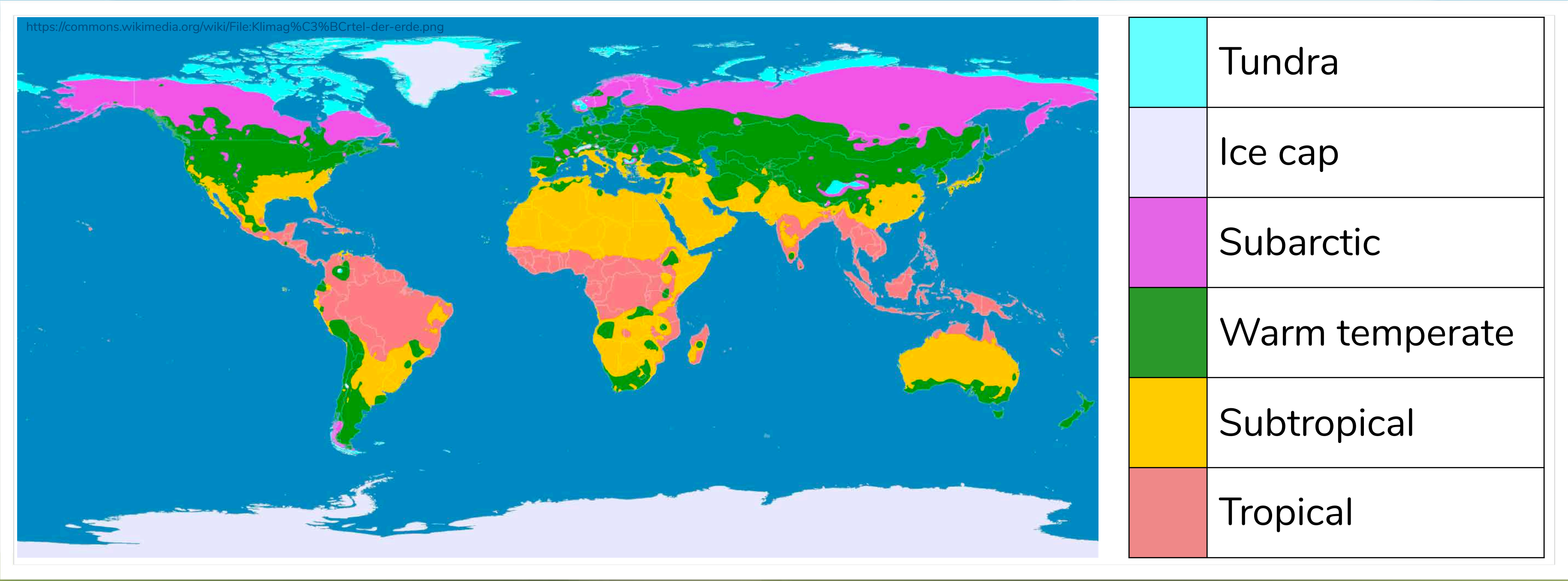
	Tundra
	Ice cap
	Subarctic
	Warm temperate
	Subtropical
	Tropical

What do you think this map is showing?





This map of the world shows where the main **climate zones** in the world are. Climate zones are regions that are divided up according to their temperature and how much rainfall they get.



Each climate zone has its own particular climate features. A **tropical** climate zone, for example, has warm average temperatures and lots of rainfall.



This is a simplified climate zone map - there are lots of other climate zones but these are the main ones!

## Tundra

A treeless area in the Arctic region. Cold and windy all year round with little rain.

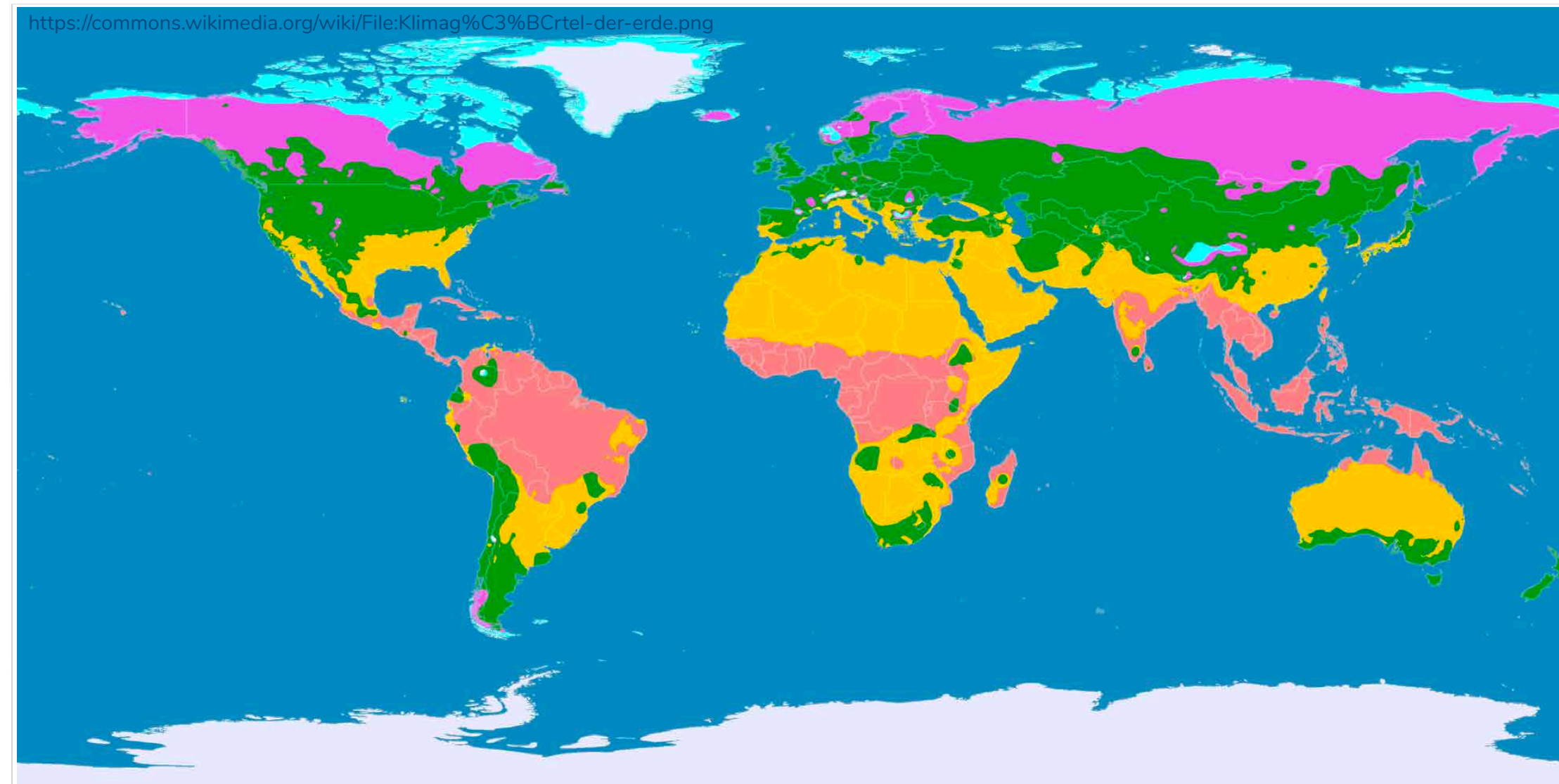
## Subarctic

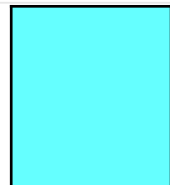
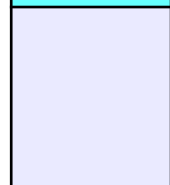
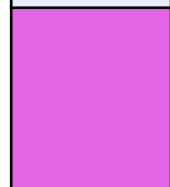
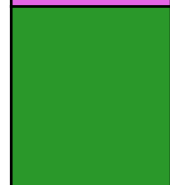
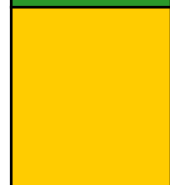
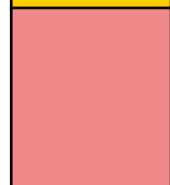
Long, very cold winters and short, cool to mild summers. Usually very little precipitation.

## Warm temperate

Moderate temperatures all year round, not too hot or too cold. Temperatures can vary a lot and there are four seasons.

<https://commons.wikimedia.org/wiki/File:Klimag%C3%BCrtel-der-erde.png>



	Tundra
	Ice cap
	Subarctic
	Warm temperate
	Subtropical
	Tropical

## Subtropical

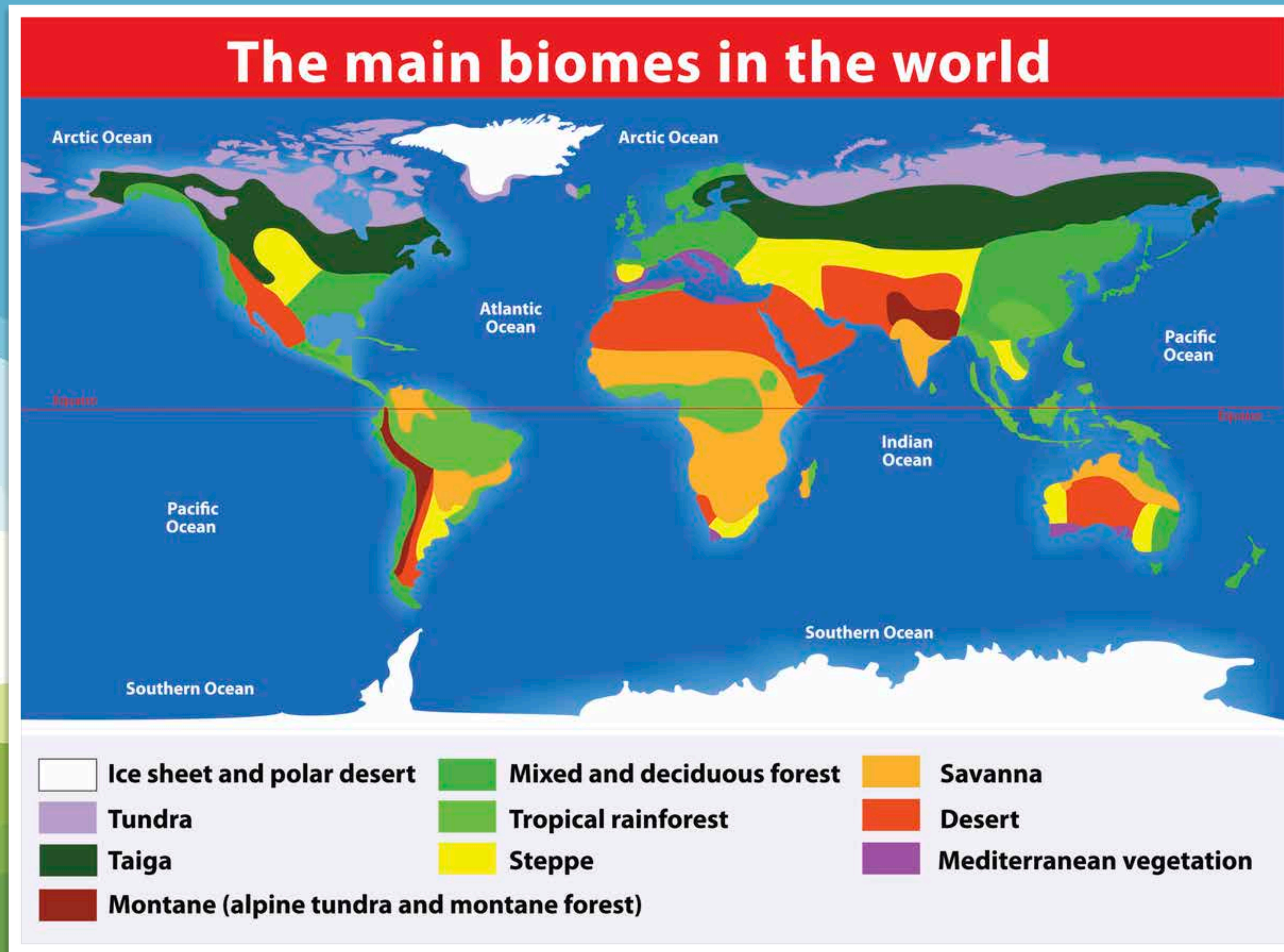
Long, dry, hot summers and mild, wet winters. Spring and autumn are very short.

## Tropical

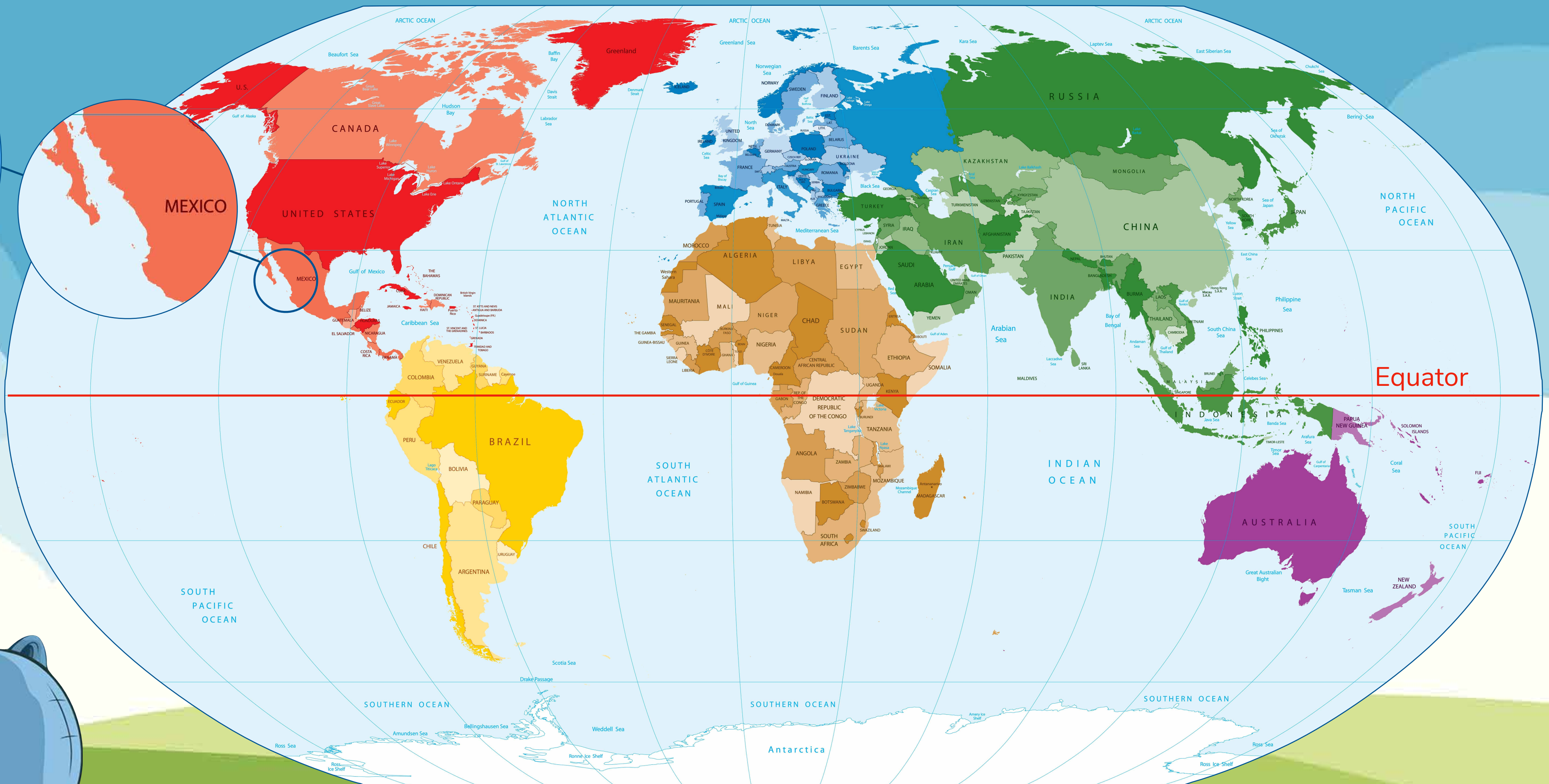
Hot or warm all year round. There are two seasons - a wet and a dry season. Temperatures don't change much throughout the year.



Plants and animals are all suited to different climates. A climate zone and the plants and animals that live within it make up a **biome**. Plants that live in different parts of the world might have similar characteristics if they live in the same biome.







**Have a look at  
your maps!**

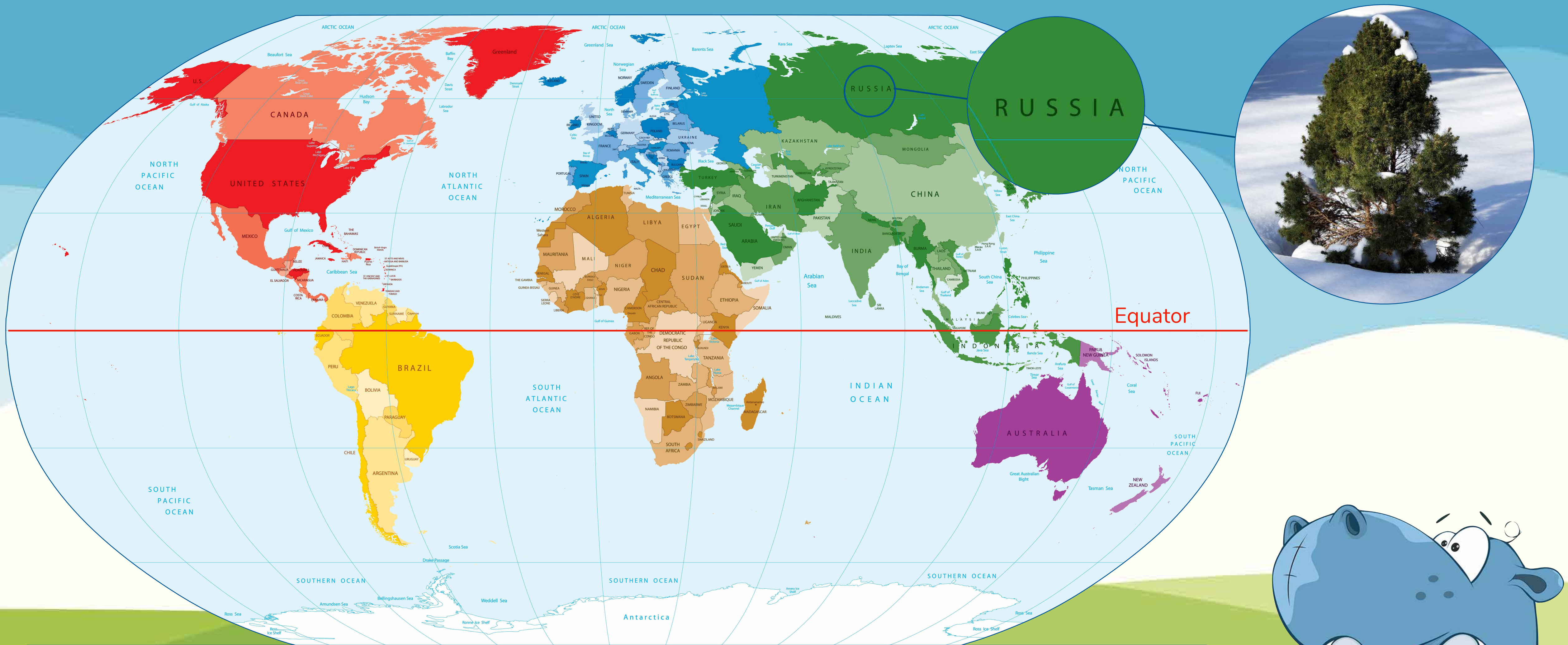


**This cactus grows in Mexico in North America, in the desert biome. Where else in the world might you find a plant like this?**

**BACK**

**NEXT**





**This spruce tree grows in the tundra biome in Russia, Asia.  
Where else in the world might a spruce tree like this grow?**



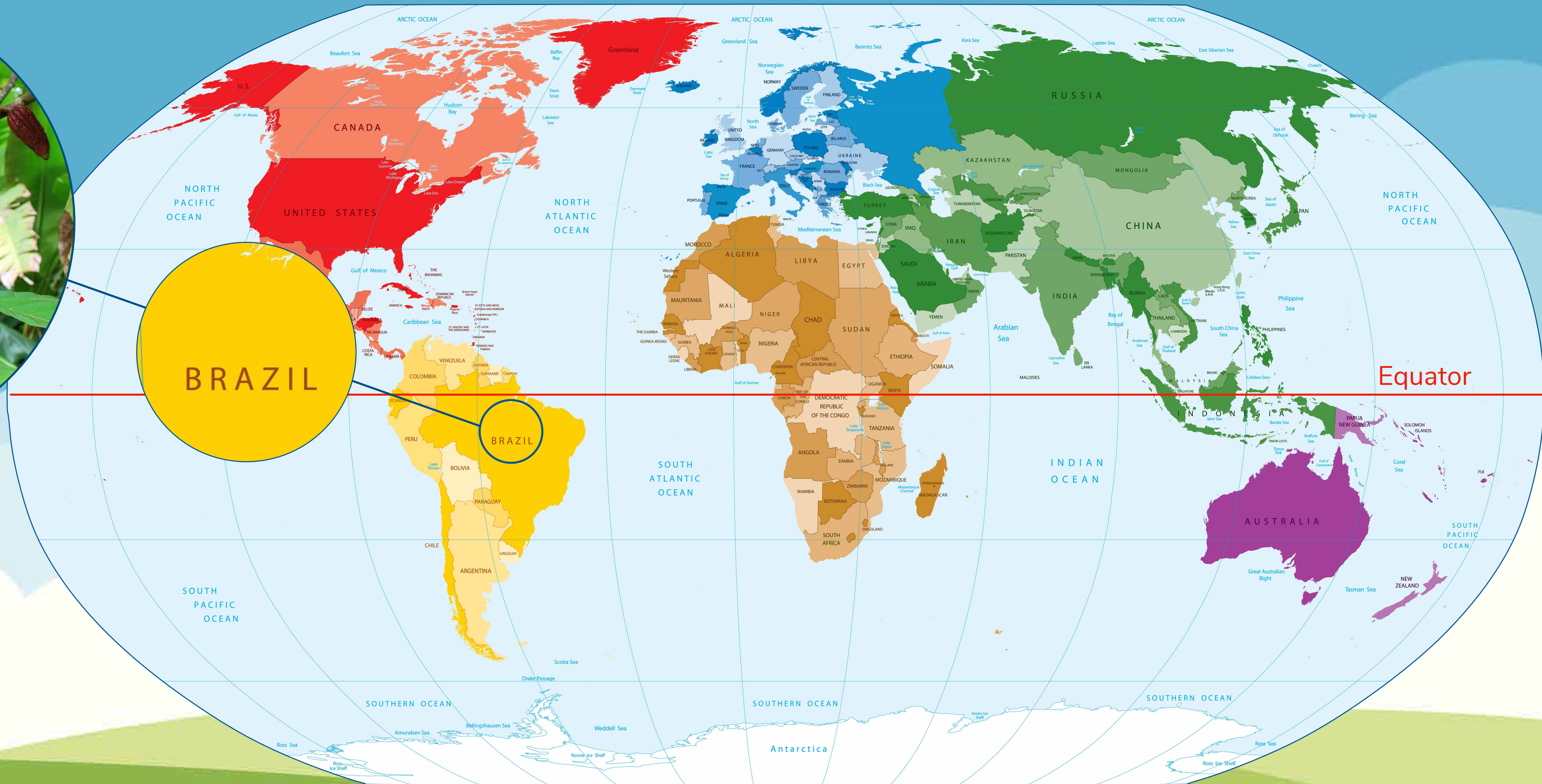
**BACK**

**NEXT**





**This is the tree  
we get  
chocolate from!**



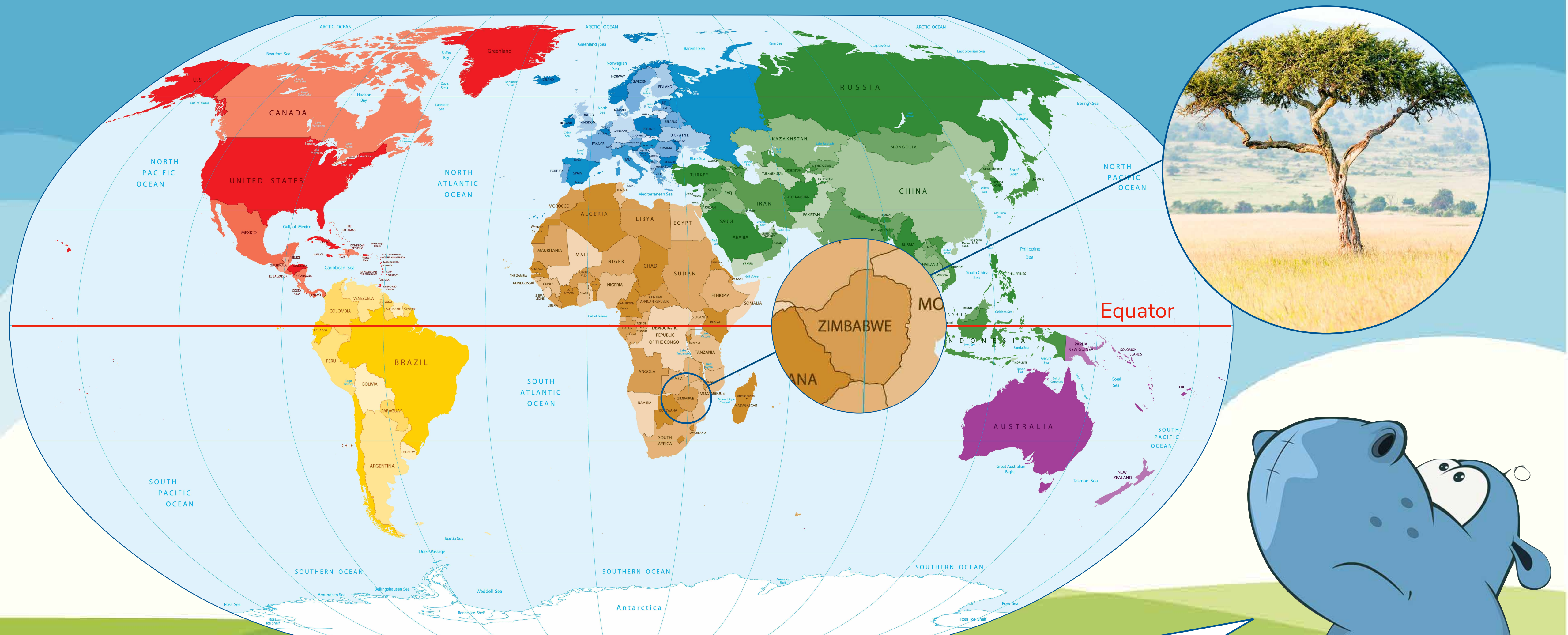
**This cacao tree grows in the tropical rainforest biome of  
Brazil, South America. Where else might a plant like this  
grow?**



**BACK**

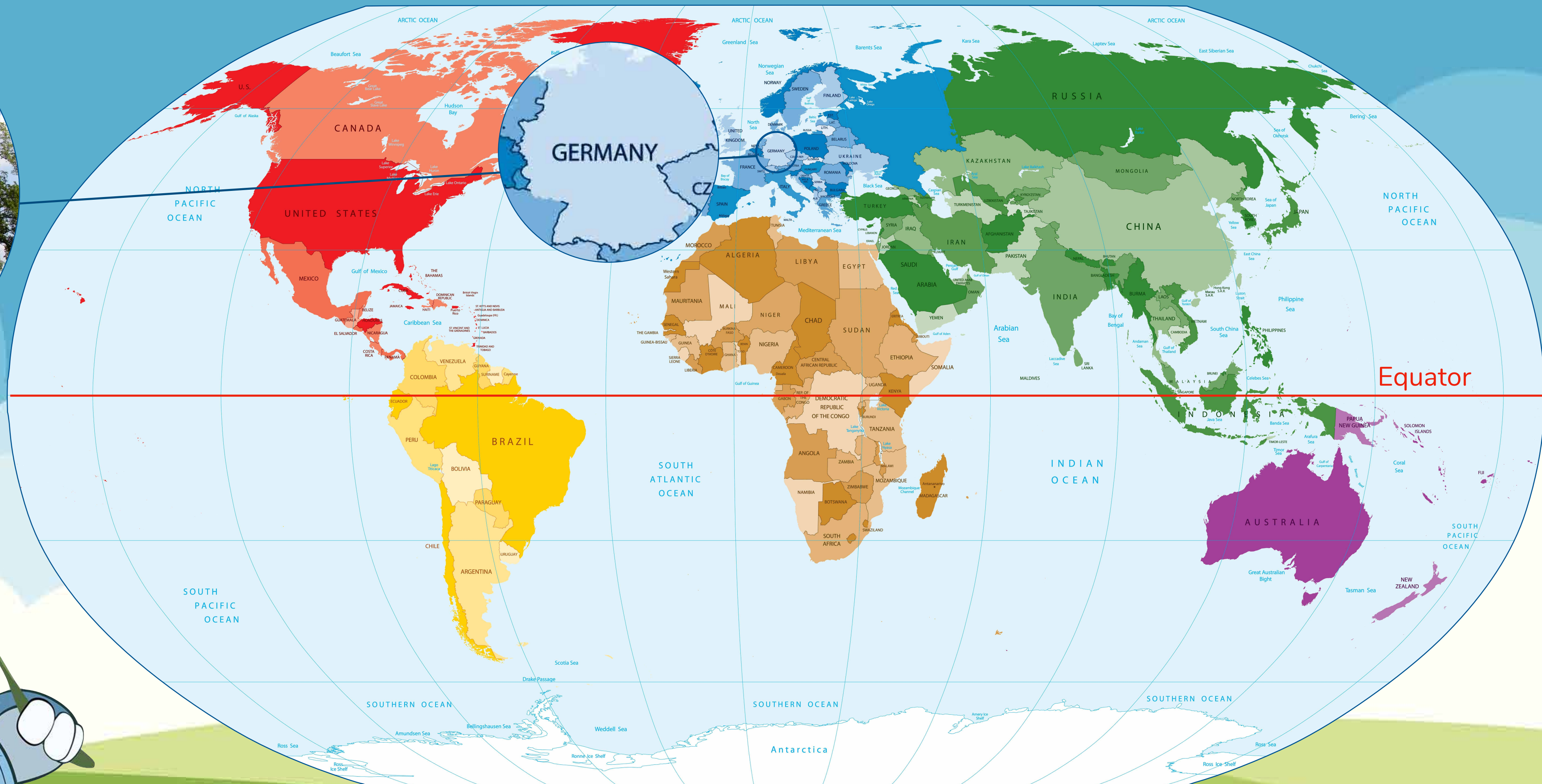
**NEXT**





**This acacia tree grows in the savanna biome in Zimbabwe, Africa. Where else in the world might a plant like this grow?**





**This elm tree grows in the mixed and deciduous forest biome in Germany, Europe. Where else in the world might a plant like this grow?**

**BACK**

**NEXT**



**Are you ready to go  
and find out more about the  
plants in different biomes on  
your own?**





What biome do we live in? What other countries around the world might have similar plant life?

