CLIMAT

F

Is climate the same as weather?

No.

Weather is the wind, temperature, and precipitation at a specific moment.

Climate is the weather in a place over many years ex. 30 years of weather.

Climate Zones

There are 3 climate zones on Earth:

1. Tropical

- Characteristics **- hot, humid, and rainy**
- Countries **- Venezuela, Costa Rica, Indonesia, Jamaica**

Climate Zones

2. Temperate

- Characteristics **- Never too hot and never too cold**
- Countries **- United States, North Africa, Japan, Spain**

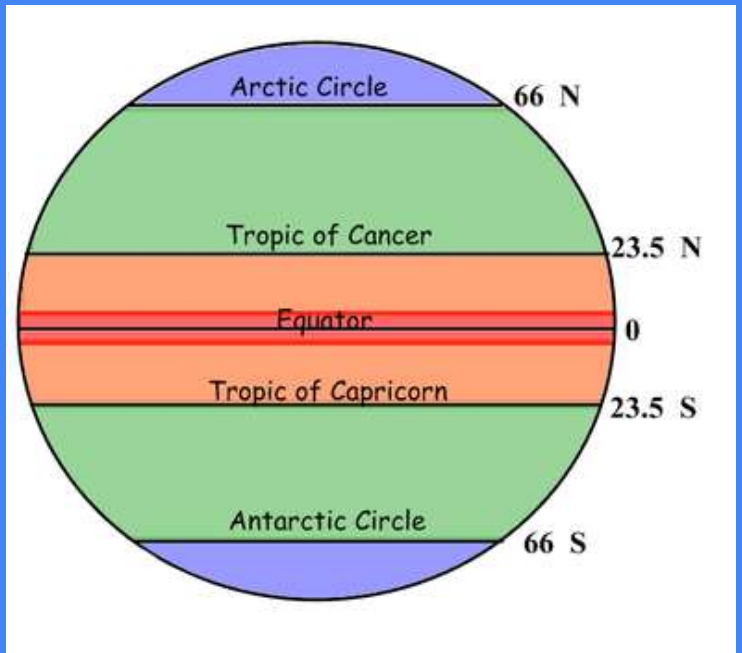
Climate Zones

3. Polar

- Characteristics **- temperature below freezing, icy, and covered in snow**
- Countries - **Norway, Denmark, Sweden, Finland**

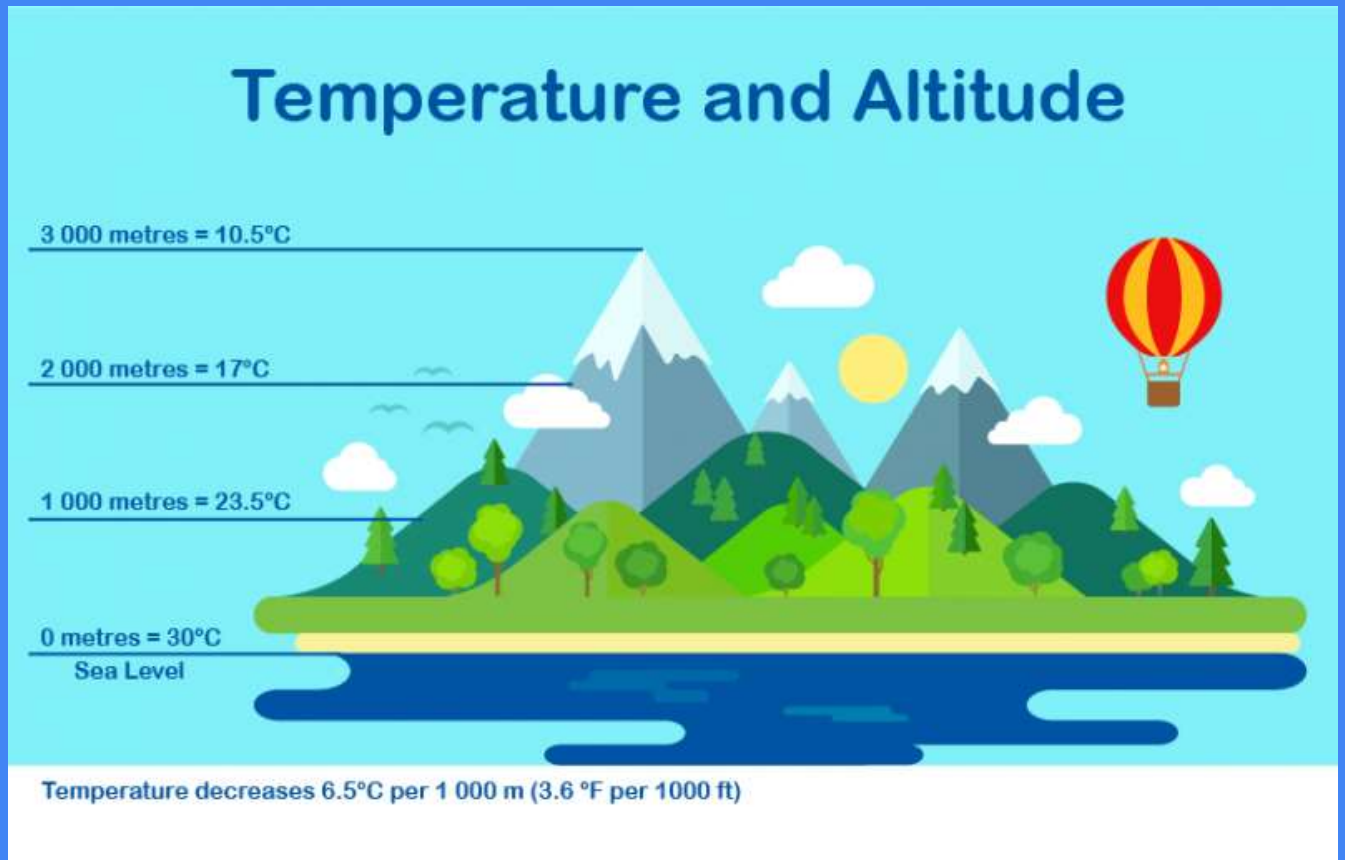
What affects climate?

- **Latitude:** as latitude increases (moves away from equator), the average temperature cools. As latitude decreases (moves toward equator), the average temperature rises



What affects climate?

- **Altitude:** the higher the elevation, the cooler the overall climate is



What affects climate?

- **Distance from the sea:** places close to the ocean are cooler in the summer and warmer in winter

Landscapes

- Change depending on the climate.
- There are 3 landscapes: **tropical** climate landscapes, **temperate** climate landscapes, and **polar** climate landscapes.
- The animals and plants are different in each of the landscapes.

Tropical Climate Landscapes

- Savannah
- Desert
- Jungle

Temperate Climate Landscapes

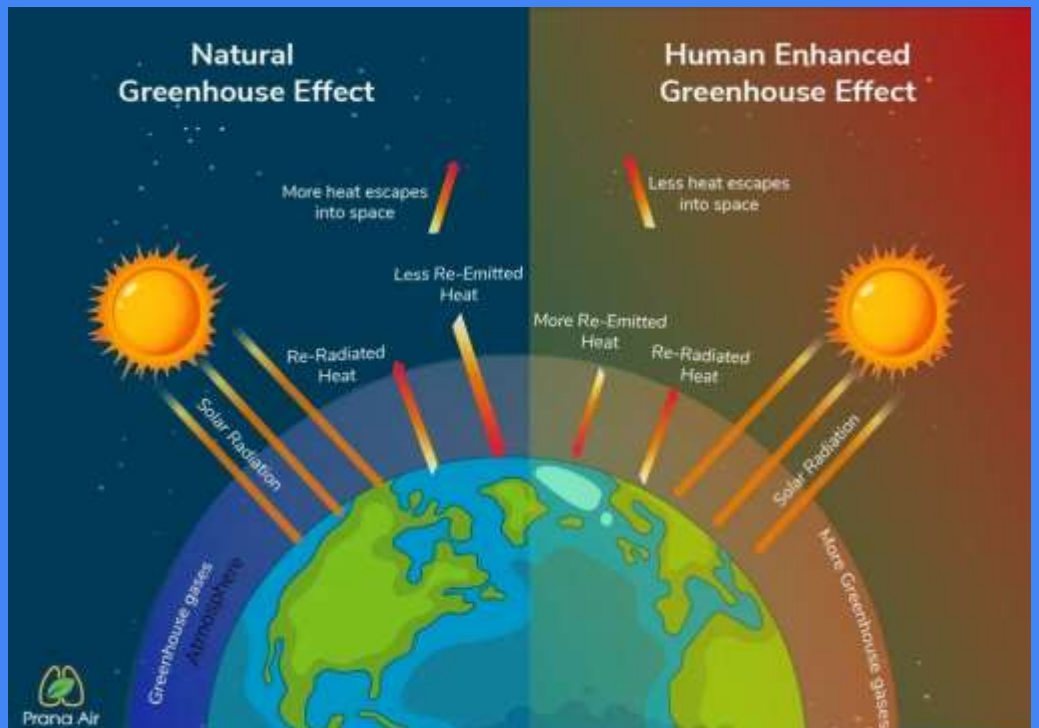
- Deciduous forest
- Mediterranean forest

Polar Climate Landscapes

- Covered in ice and snow
- Have ice and snow in the winter, but in the summer it melts

Climate Change

- **Greenhouse Effect: heat is trapped near Earth's surfaces by greenhouse gases which are part of the Earth's atmosphere. This helps to keep the temperature and humidity perfect for living things.**



Climate Change

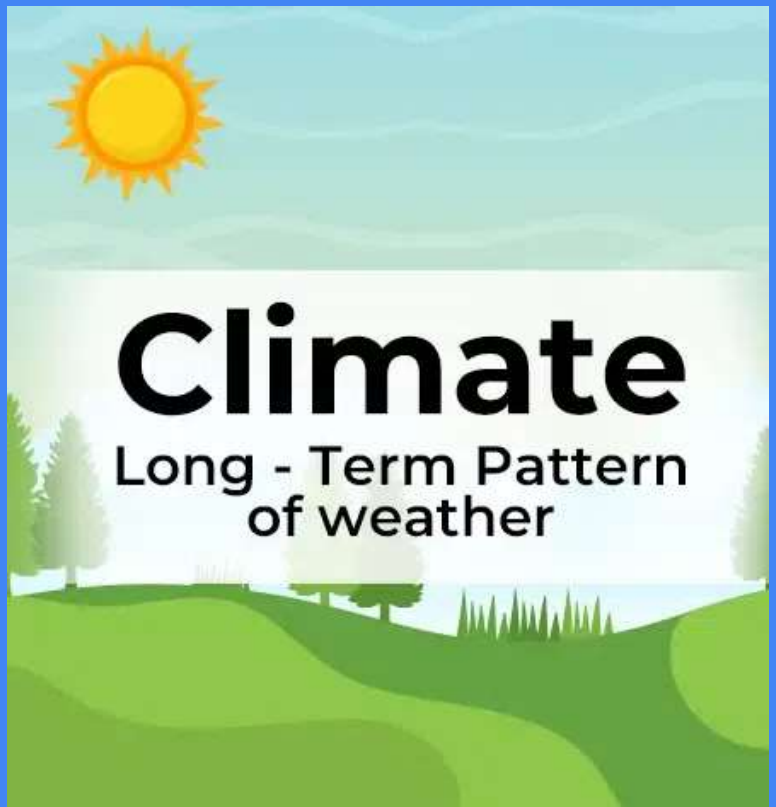
- **Global Warming: human activity is producing more greenhouse gases which is causing the climate to change very quickly. This affects landscapes and the animals and plants that live there.**

What Can We do?

- **To reduce greenhouse gases and stop global warming we can recycle, reuse, and save energy and water.**

VOCAB REVIEW

Clima = Climate



VOCAB REVIEW

Tropical Climate Zone = Zona Cálida

VOCAB REVIEW

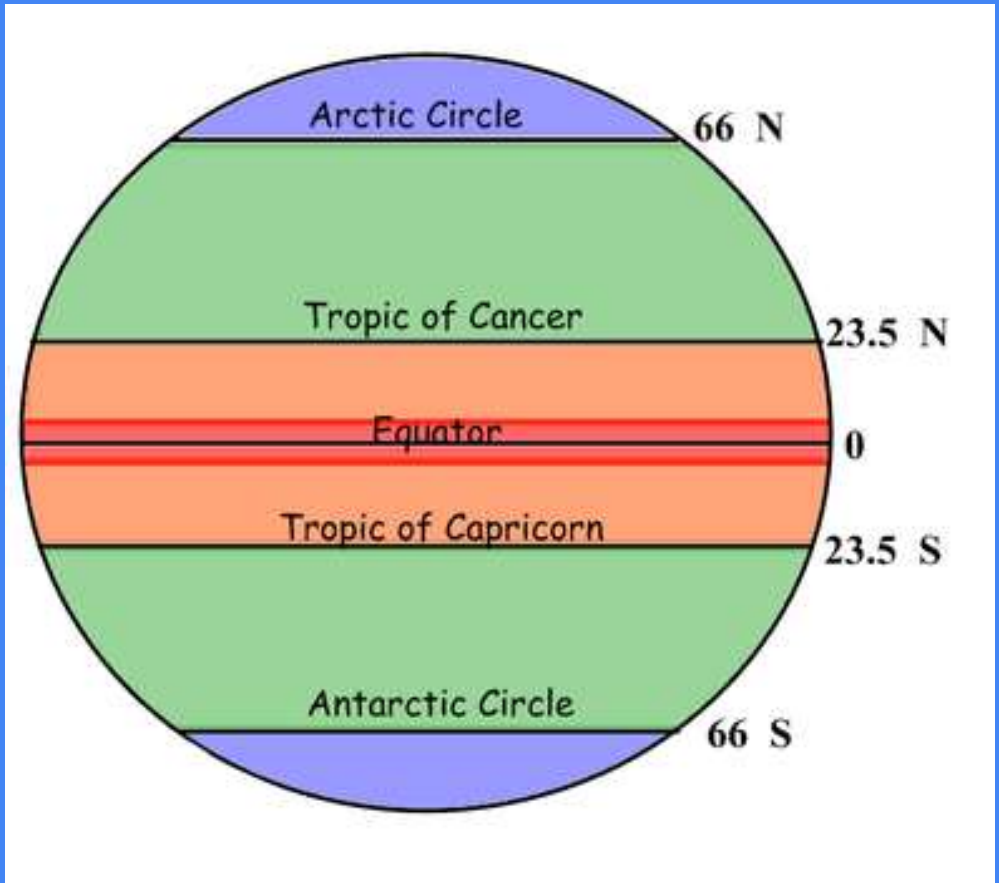
Temperate Climate Zone = Zona Templada

VOCAB REVIEW

Polar Climate Zone = Zona Fría

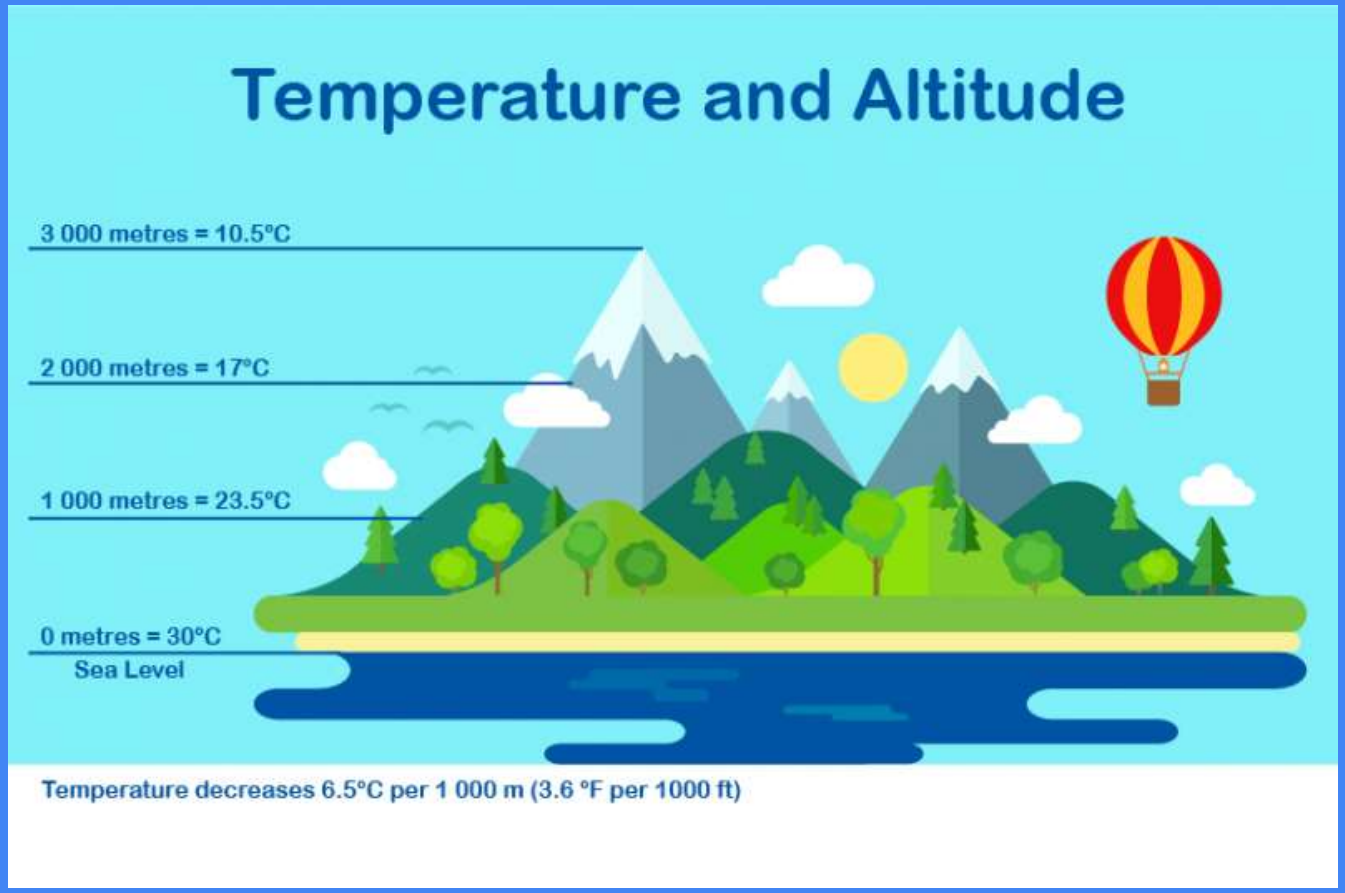
VOCAB REVIEW

Latitud = Latitude



VOCAB REVIEW

Altitud = Altitude



VOCAB REVIEW

Distance from the sea = proximidad al mar

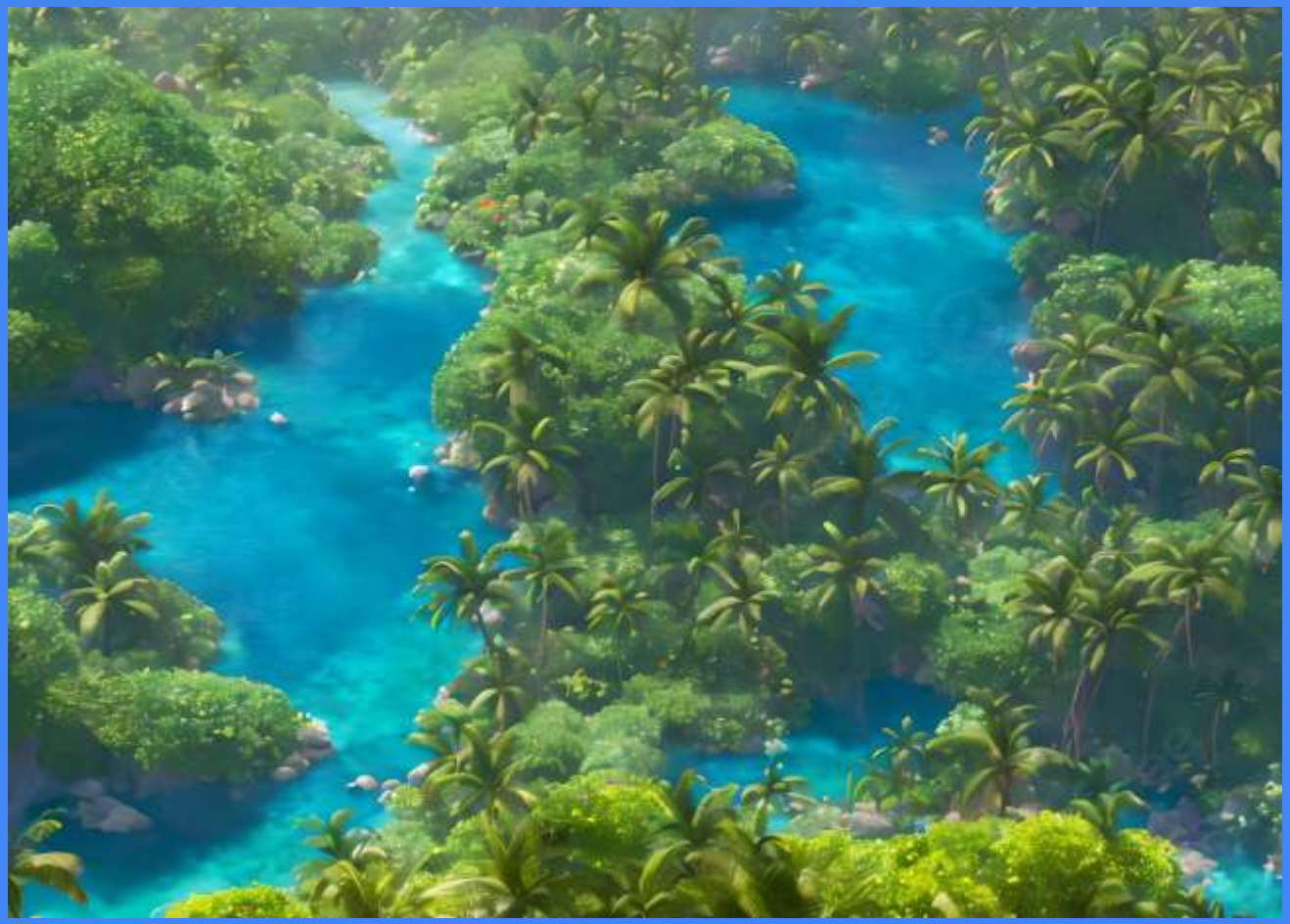
Is this a Temperate or Tropical Climate Landscape?

Temperate Climate Landscape!

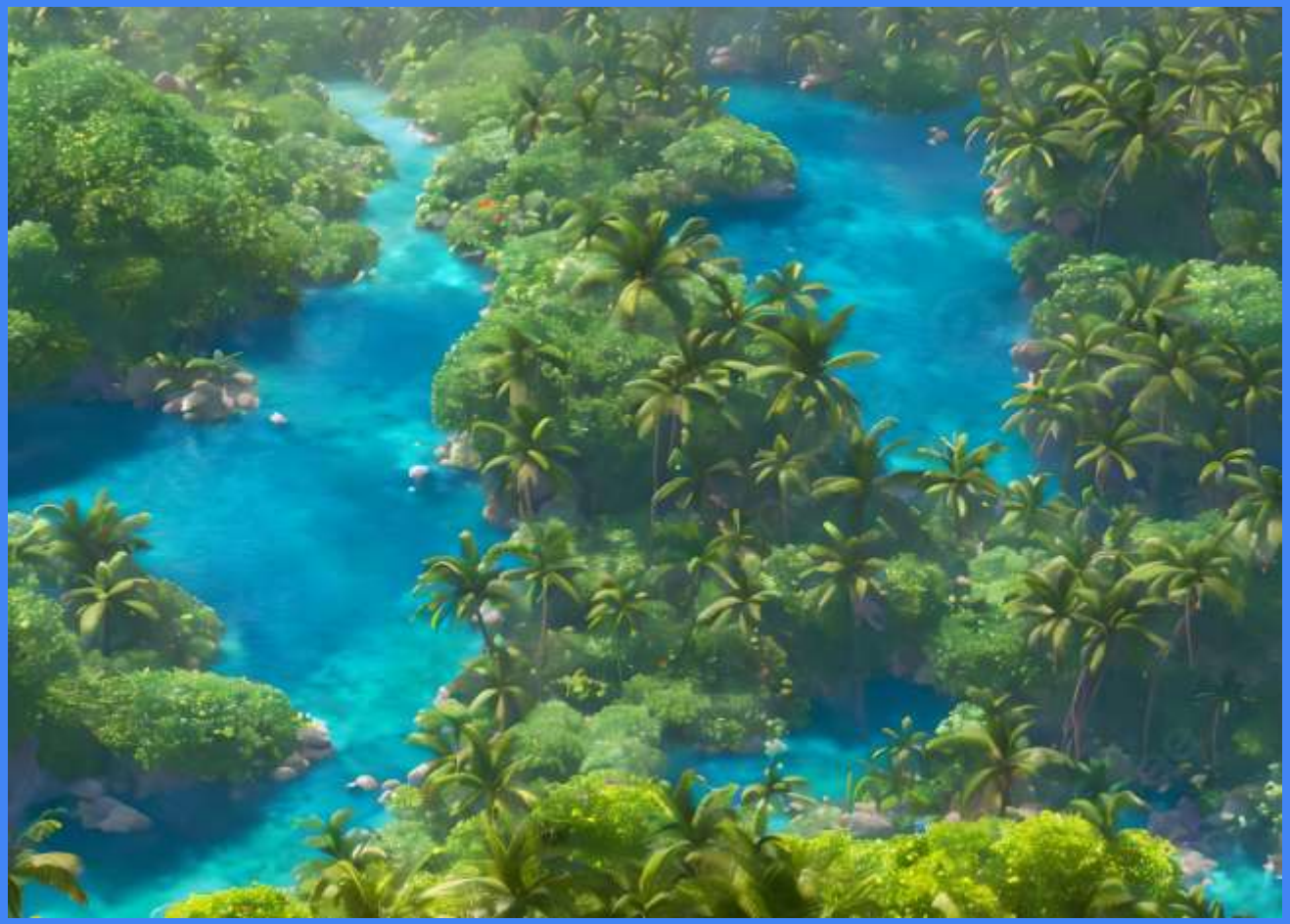
Is this a Temperate or Polar Climate Landscape?

Polar Climate Landscape!

Is this a Polar or Tropical Climate Landscape?



Tropical Climate Landscape!



MATCH TO THE PICTURE : Tropical Climate Landscapes

Savannah

Desert

Jungle