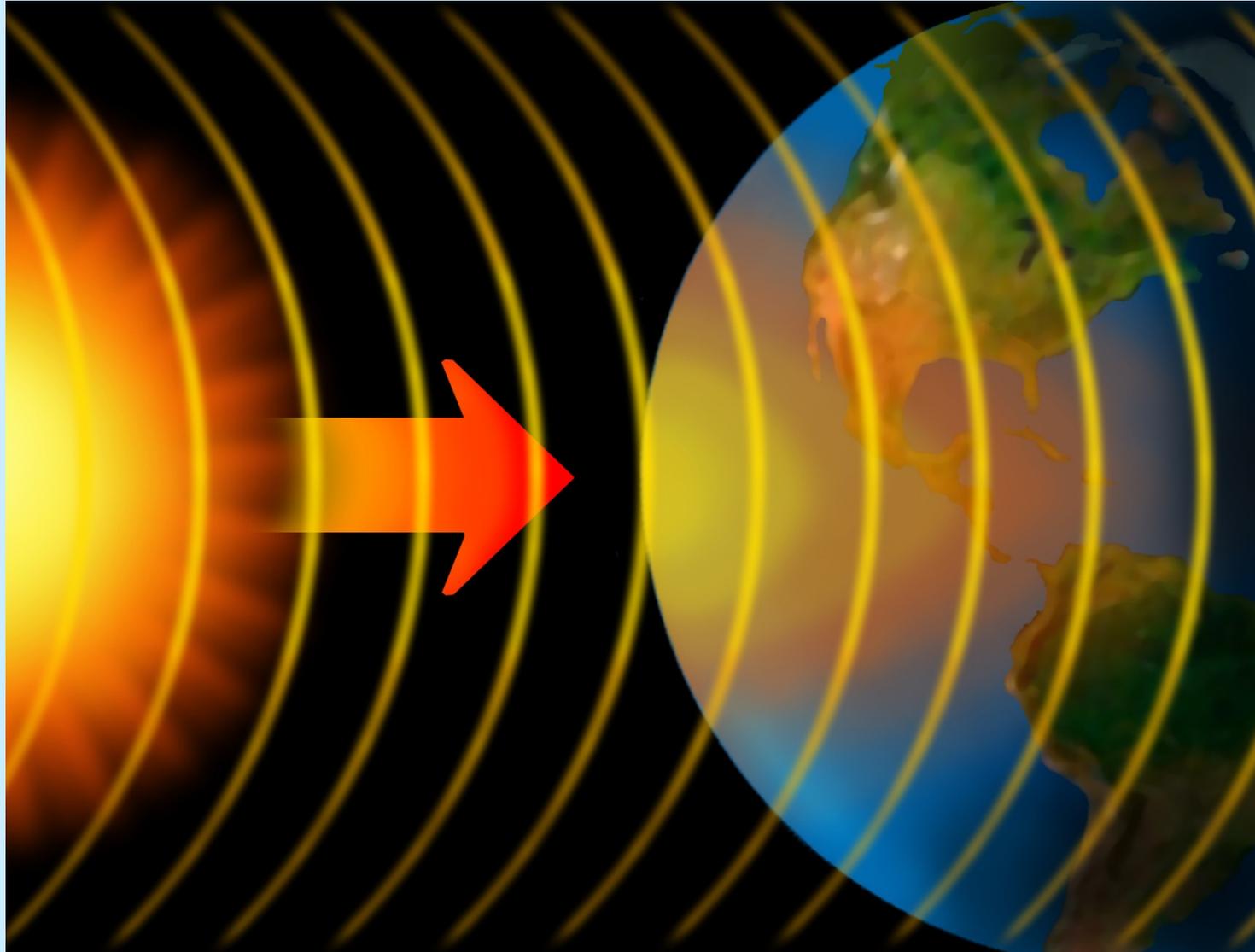


Weather & Climate



Weather begins with the sun



Some Weather Factors

Wind. This tool measures wind speed. It is called an anemometer.



Precipitation. Rain, snow, sleet and hail are all forms of precipitation.



Temperature. Temperature is how warm or cold it is outside.



Cloud Cover. There are many types of clouds that form in different conditions.



Weather changes every day!

Forecast for Kahului, Maui

Today



sunny,
high 84°, low 65°

Wednesday



partly sunny,
high 83°, low 65°

Thursday



chance of showers,
high 83°, low 64 °

Friday



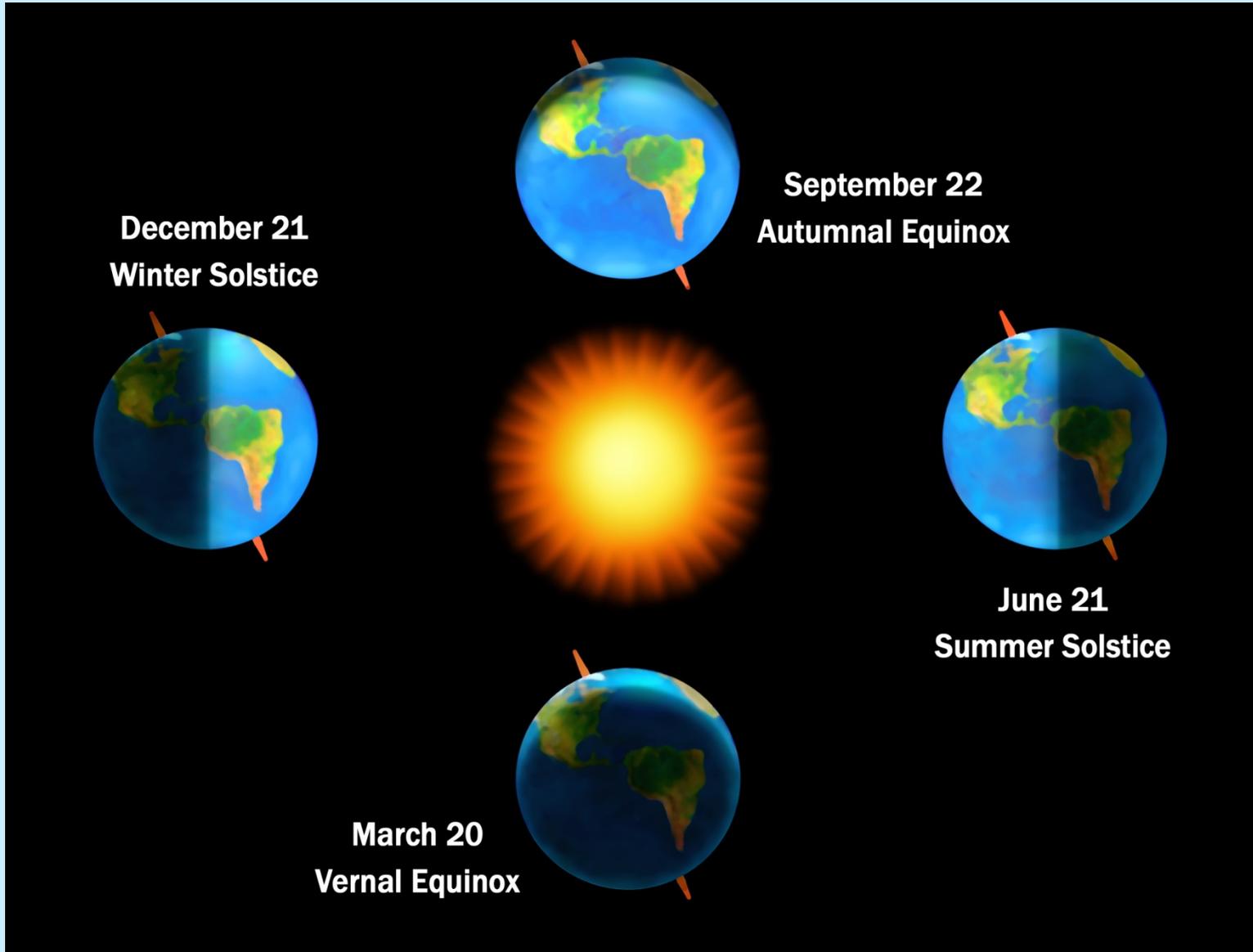
showers,
high 83°, low 64 °

Saturday



partly sunny,
high 84°, low 65°

Seasons on Earth



Native Hawaiians recognized only two seasons

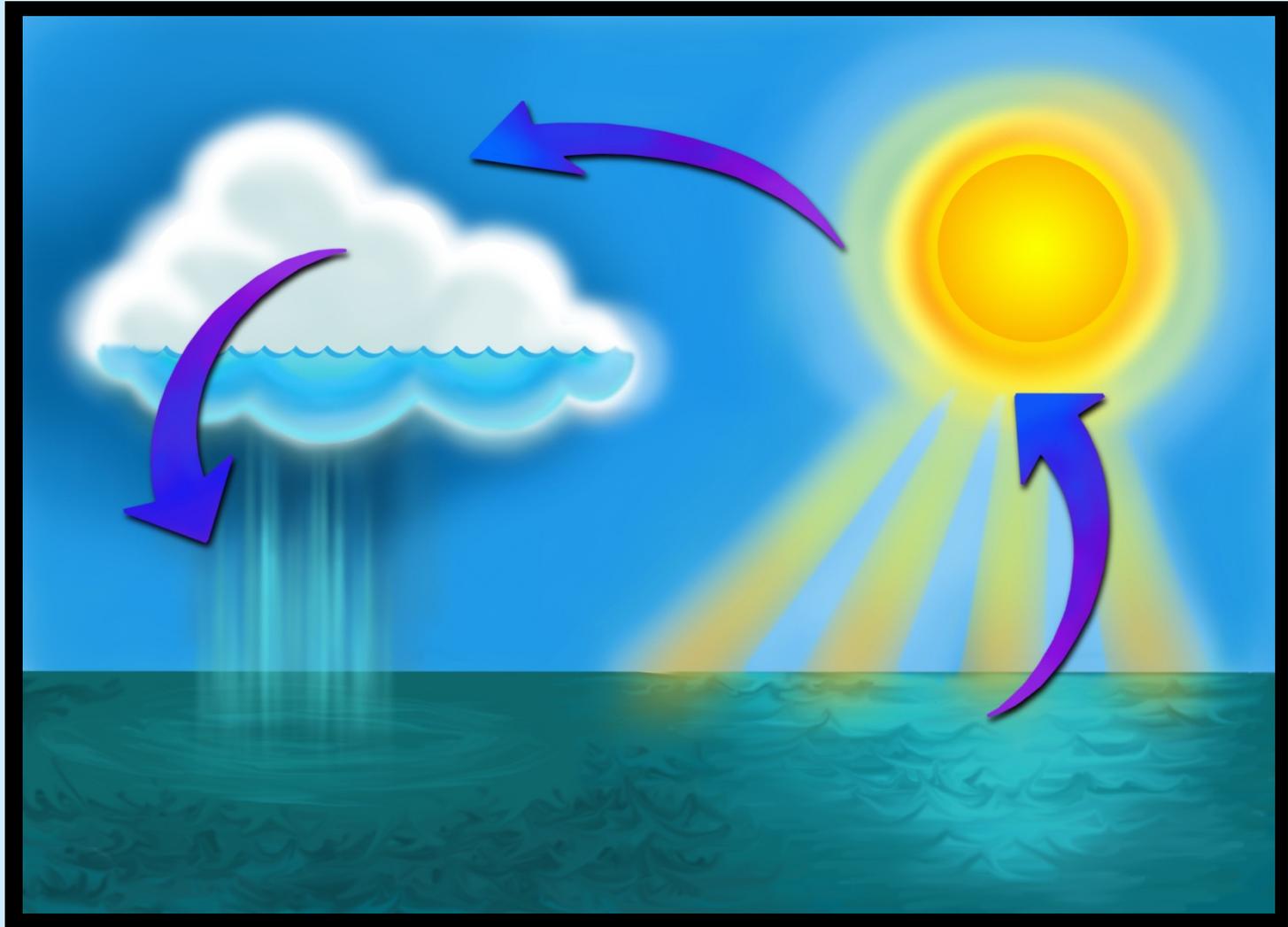
Hò oilo - Wet Season



Kau - Dry Season



The water cycle affects both climate and weather



Climate is weather measured over a long period of time

Weather =
clothes for
the day

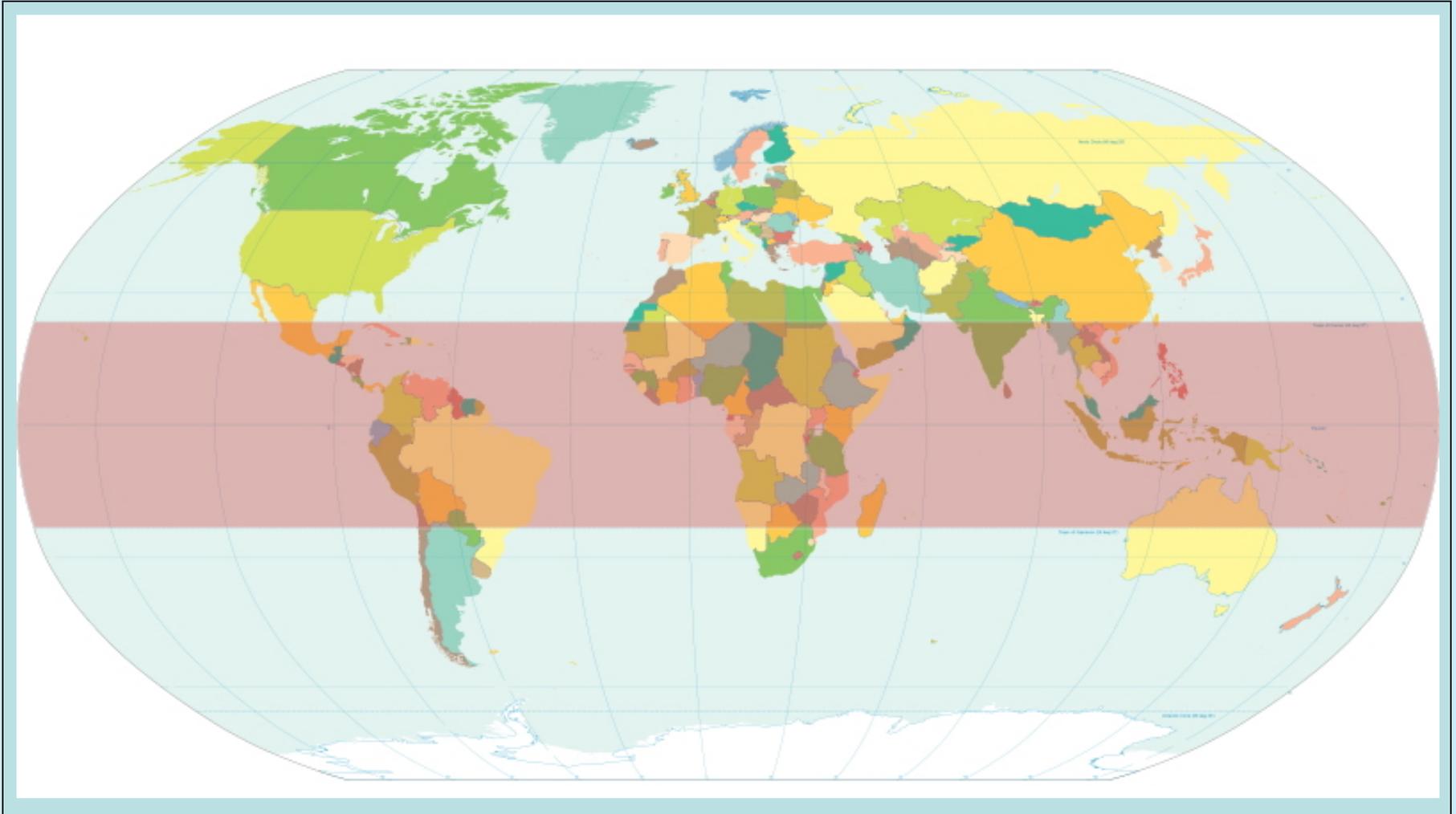


Climate =
clothes in a
closet



Climate Zones:

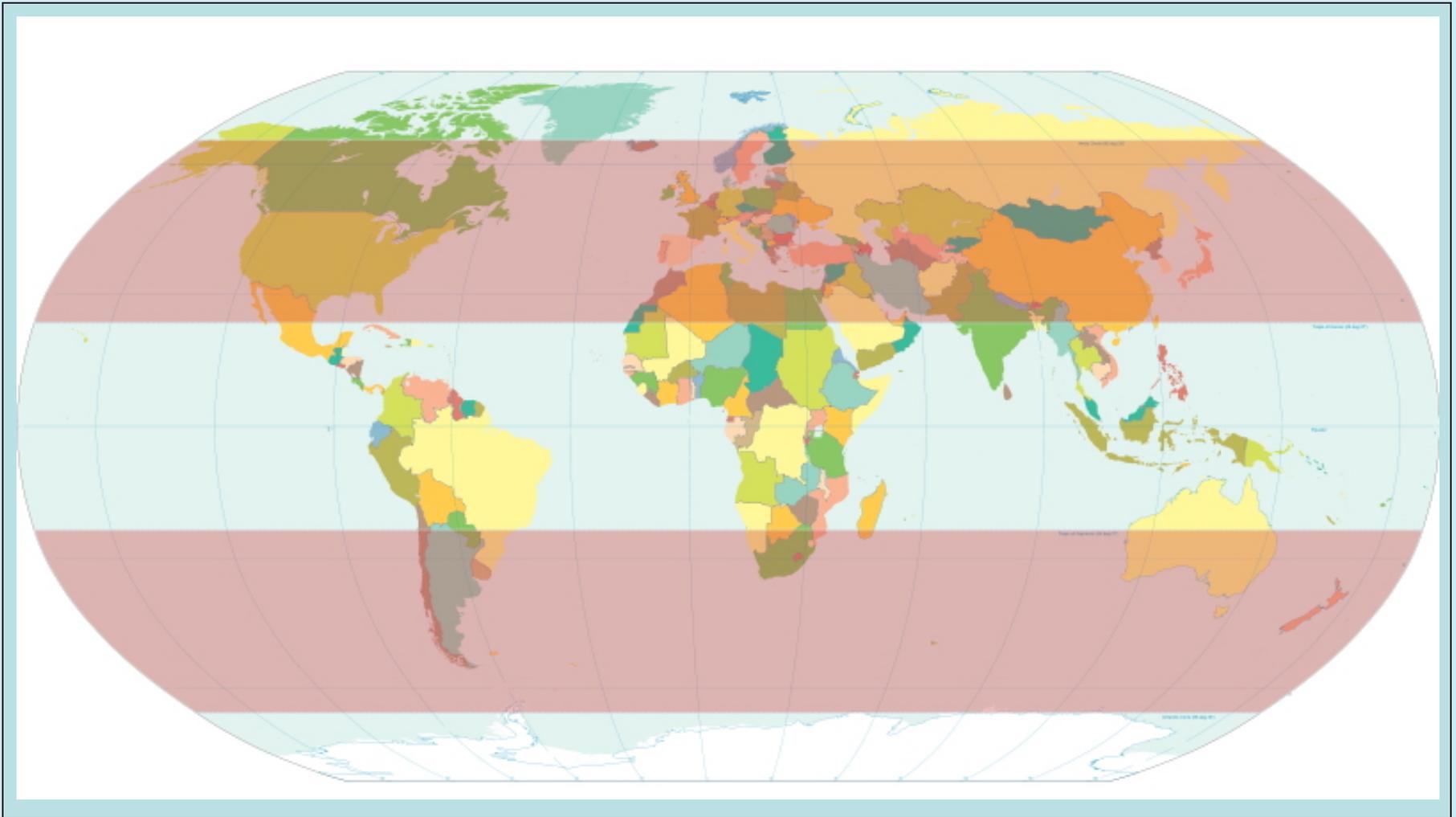
Low-Latitude Climates



affected by equatorial tropical air masses

Climate Zones:

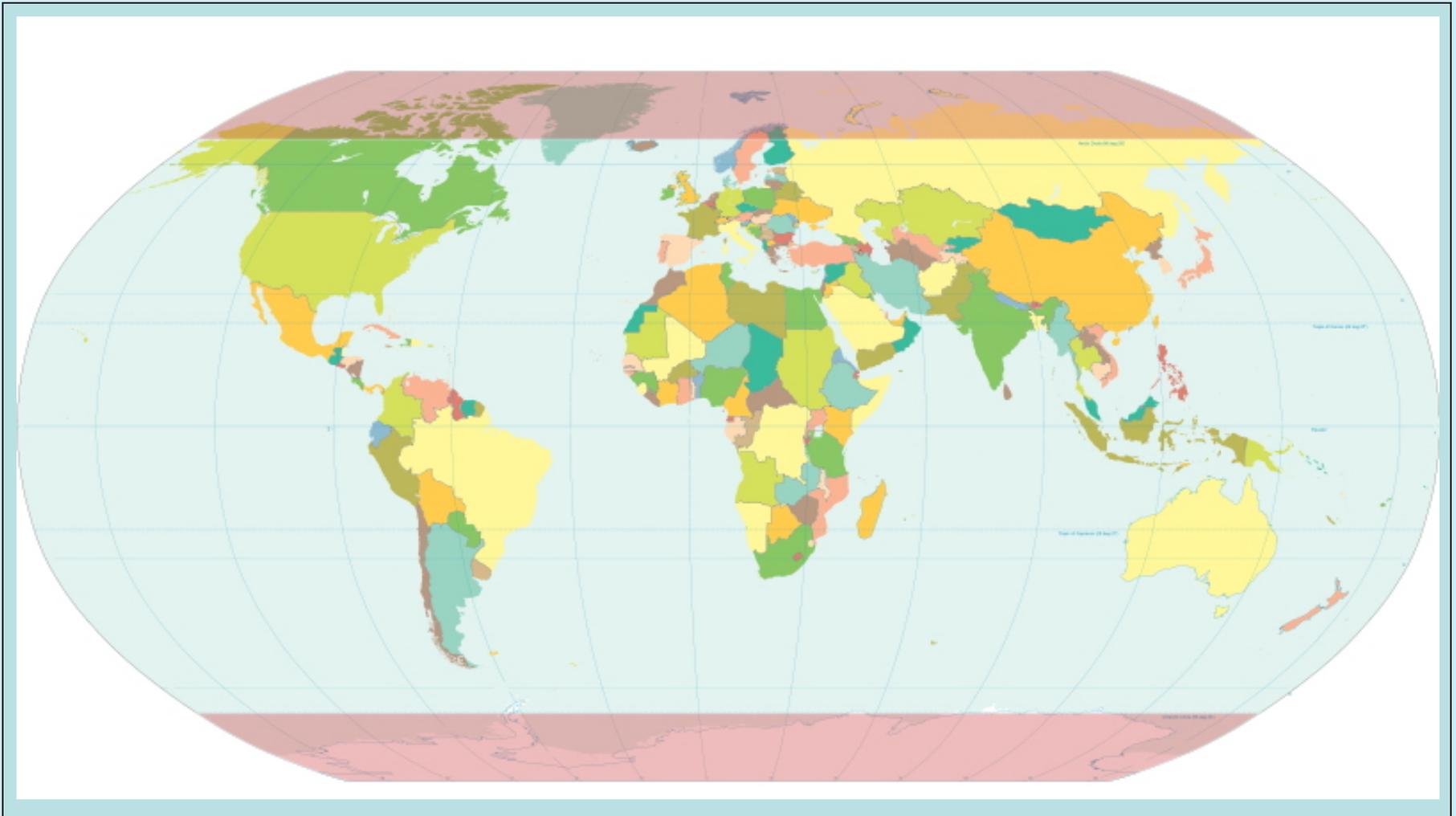
Mid-Latitude & Subtropical Climates



affected by two air masses: tropical air moving toward poles and polar air masses moving toward equator

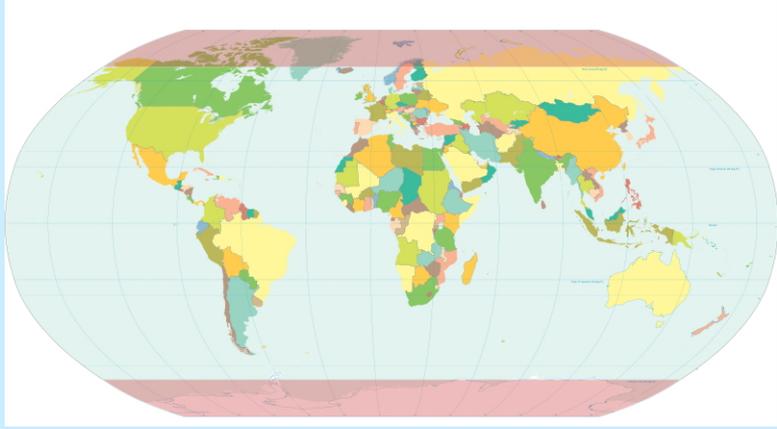
Climate Zones:

High-Latitude Climates

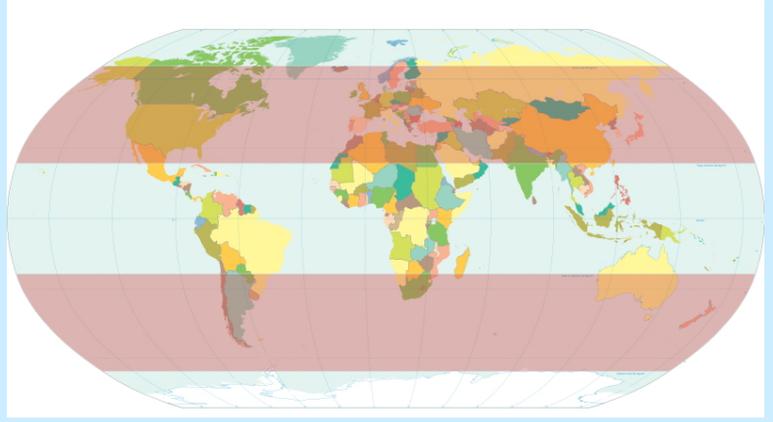


dominated by polar and arctic air masses

In which climate zone does Hawai'i belong?

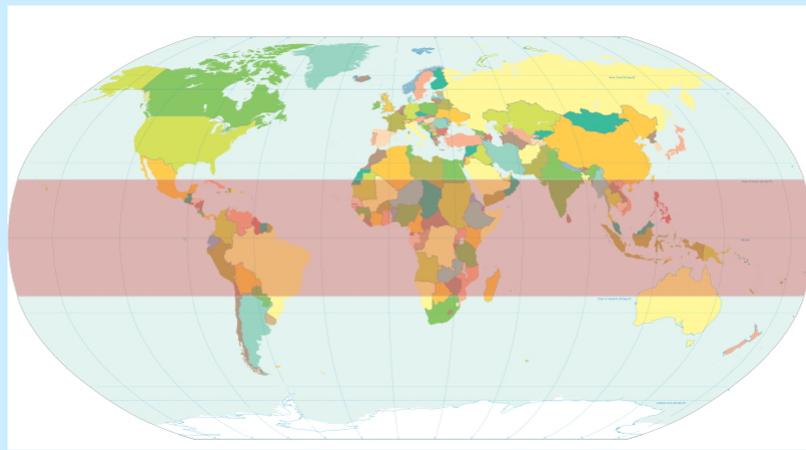


high latitude



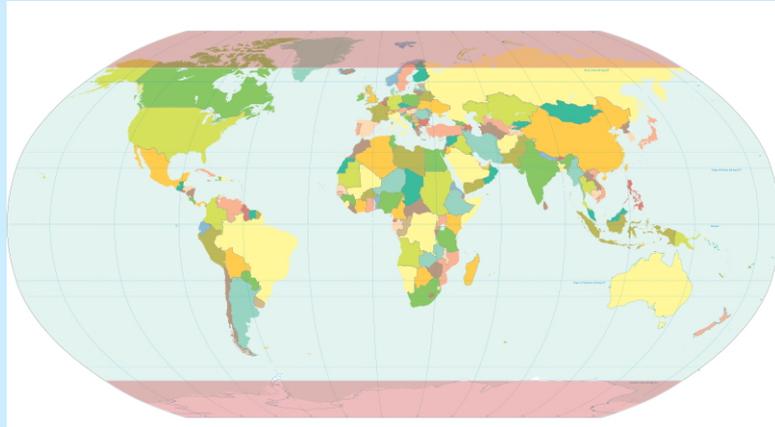
mid latitude

Hint:
Hawai'i
belongs in a
combination
of two climate
zones

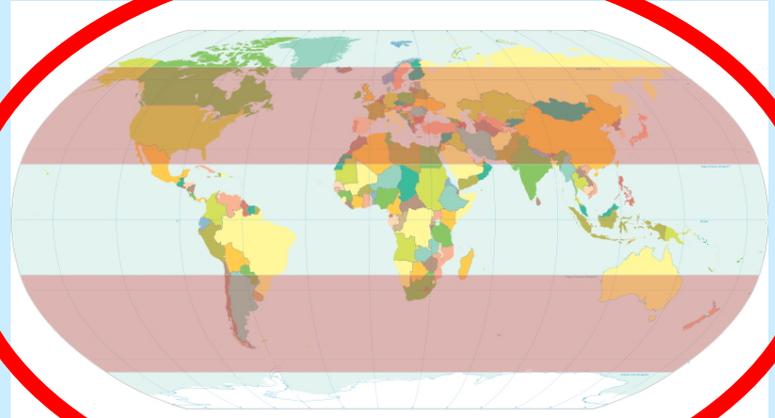


low latitude

In which climate zone does Hawai'i belong?

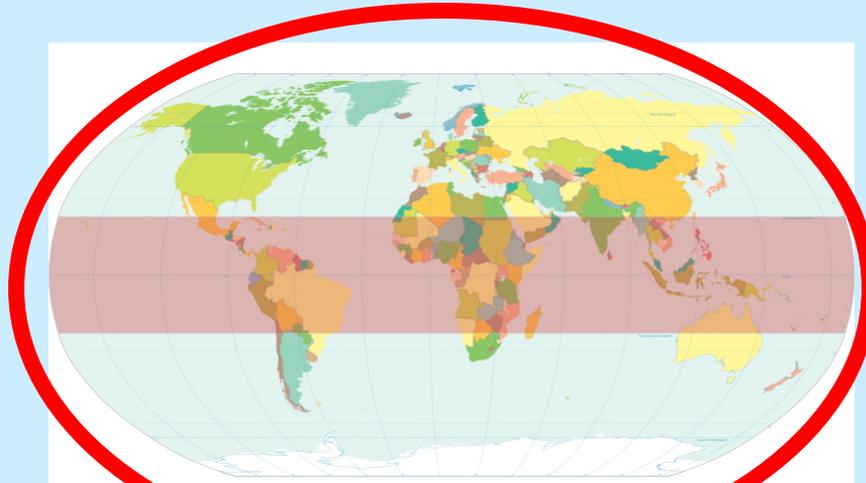


high latitude



mid latitude

Hint:
Hawai'i
belongs in a
combination
of two climate
zones



low latitude

The End

