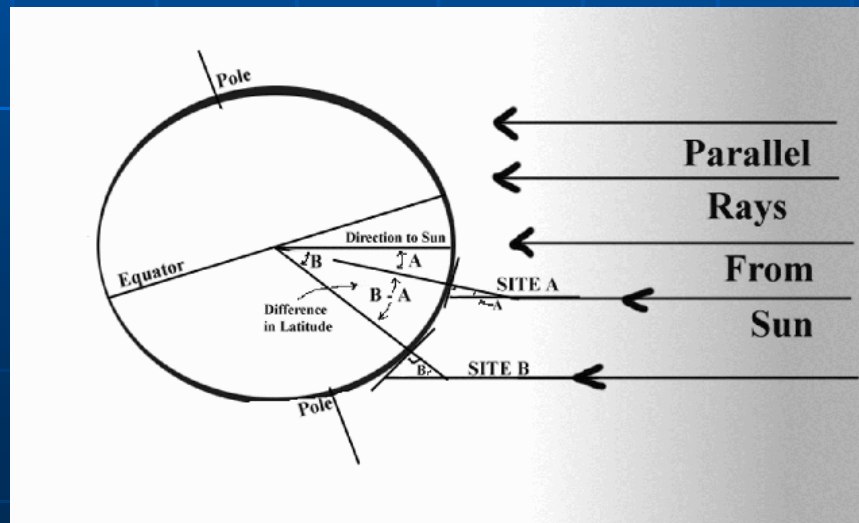


Factors That Affect Climate (Temp and Precipitation)

Latitude, Altitude, Global Winds,
Proximity to Water, Topography

Latitude

- Different latitudes receive different amounts of solar energy.
- Solar energy directly affects the temperature and wind patterns of a region.



Oceans and Lakes

- Water warms more slowly than land.
- Water also gives off heat more slowly.
- Proximity to oceans and lakes can moderate land temperatures.



Topography

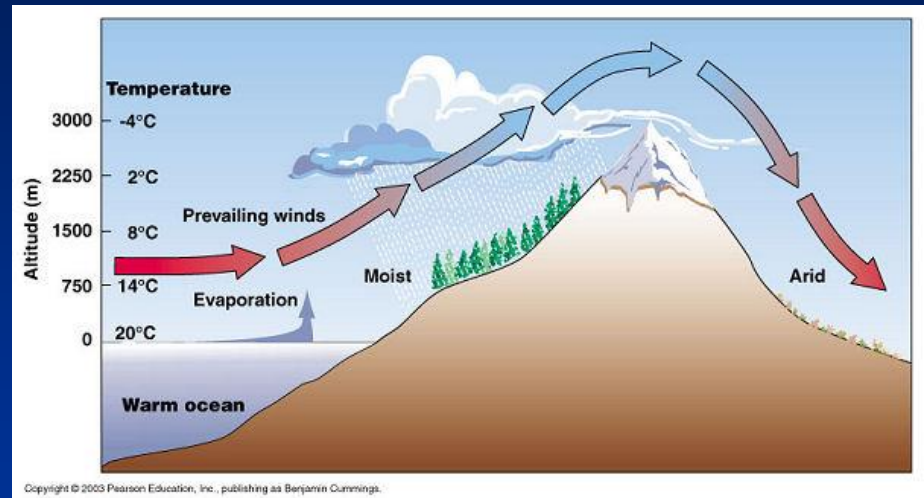
- The way the land is laid out can have a great affect on climate.
- Mountains can affect how much an area gets of precipitation.



Altitude

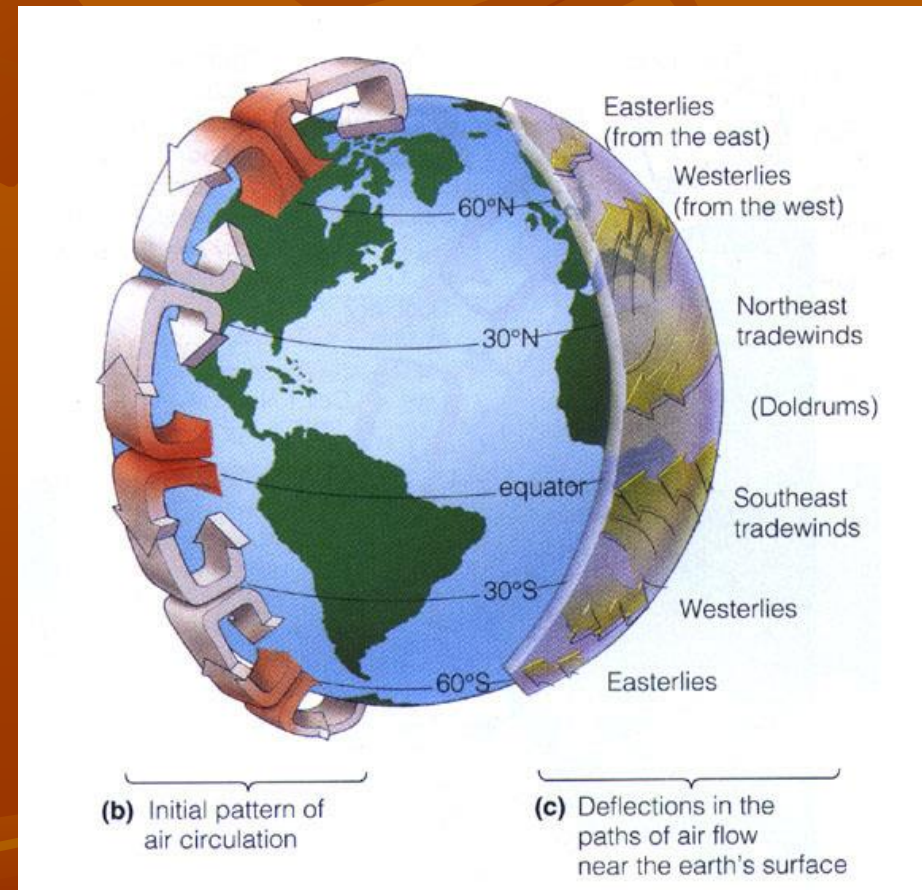
- Temperature changes with altitude.
- As the temperature changes, the chance of precipitation

changes as well. Rising air is more likely to condense. Falling air warms up and holds more water vapor.



Global Winds

- Global winds patterns cause huge areas of rising and sinking air.
- This movement of air affects precipitation at certain latitudes.





Climate vs. Weather?

- So those are the things that affect climate.
How does that affect you?
- What is the difference between climate and weather?



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