

**Background:** There are several influences that cause climates to be different.

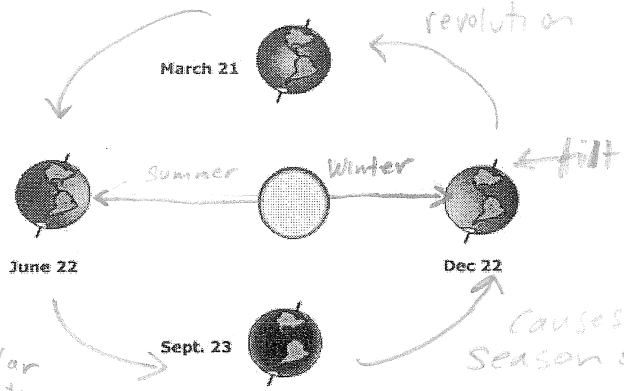
**Directions:** As you watch the video clip on climate influences, take notes and use the illustrations provided, or create your own!

\*Define "climate" Weather patterns over a long period of time.

**Influences of climate:**

1. The angle of the sun:

see page 37  
More <sup>direct</sup> Sun light = warmer  
less <sup>direct</sup> Sun light = colder



2. Latitude:

near equator - warm all year  
Tropics  
polar  
Arctic Circle  
temperate



3. Elevation:

59  
temperature goes down as elevation increases



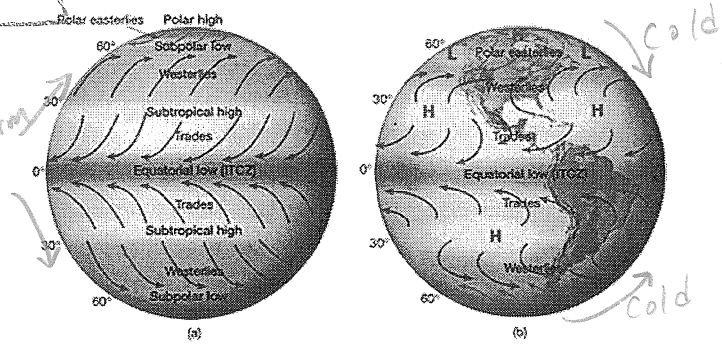
4. Precipitation:

vainy vs dry  
windward  
leeward



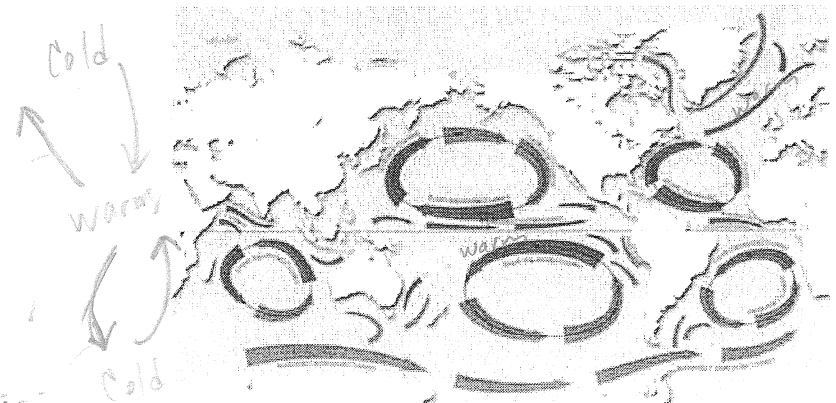
5. Prevailing winds:

Warm air moves from tropics to poles,  
Cold air moves from poles to tropics



6. Water currents:

Bring warm water from tropics to poles,  
impact air temps above.



\*Climate regions are defined by

Temperature and Precipitation.

impacts what they wear, housing (How they live) Where they live  
FL, AZ - retirement

see page 56

see page 58