

Factors affecting Climate

1. Latitude and Temp. : As latitude increases temp. decreases

2. Elevation / Altitude and Temperature : Indirect

3. Proximity to large bodies of Water.

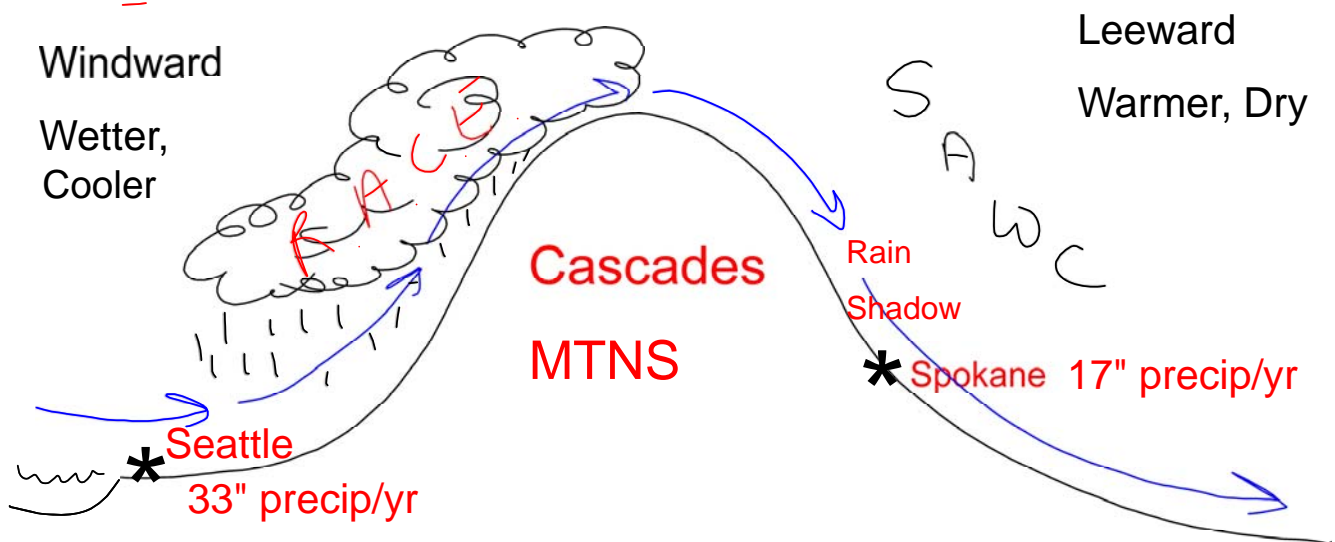
a) Inland: Large Temp. Range bc land has a lower specific heat ex. Omaha, Ne

* hotter summers, colder winters

b) Coastal: Small Temp. Range bc the high specific heat of Water causes slower temp changes ex. NY City

* cooler summers, warmer winters --
we often get rain when inland locations are getting snow.

4) Orographic Effect



5. Ocean Currents (p 4 ESRT)

a) Warm ocean current

Can make a location that should be cold based on latitude much Warmer

ex) London England 51 N

b) Cool Ocean Current: Opposite

ex) San Francisco CA 37N

similar climates



6. Planetary Winds and Moisture Belts p. 14 ESRT

a) see weather notes

Monsoon Climates

