

Precipitation Variables

* Precipitation varies with:

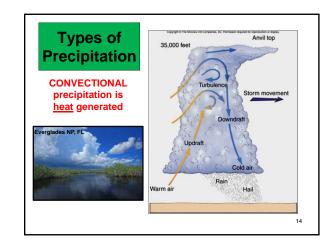
- Elevation (orographic cooling)
- Wind-facing slope (windward = wet side; leeward = dry side/rain shadow)

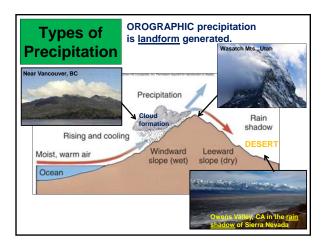
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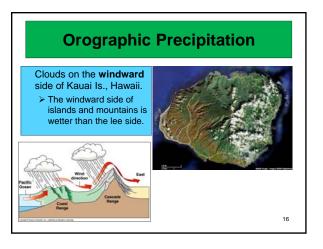
- Source areas (weather fronts, evaporation from lakes and ocean)
- Atmospheric heating and cooling (evaporation and

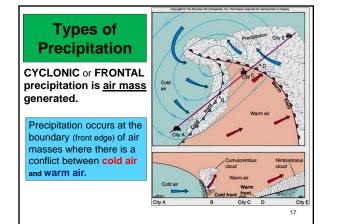
Three types of precipitation:

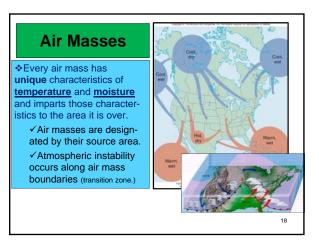
- ✓ Convectional
- ✓ Orographic
- ✓ Cyclonic (frontal)

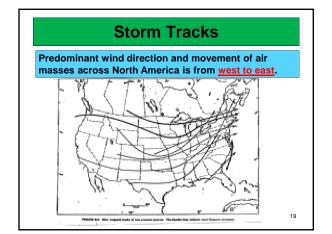


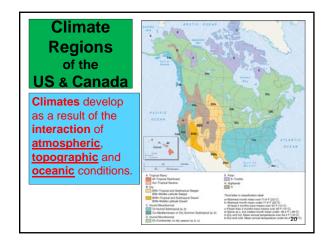


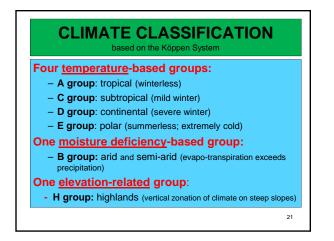


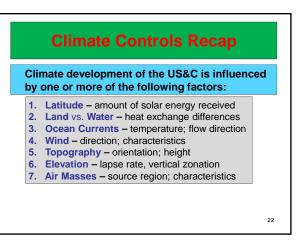


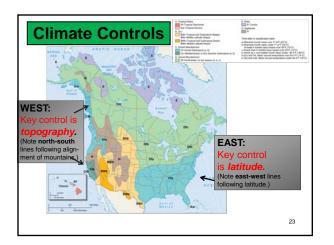


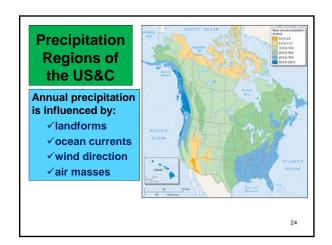


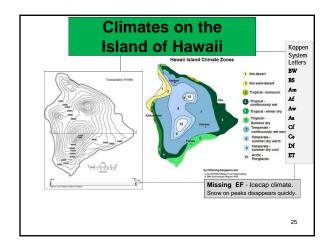


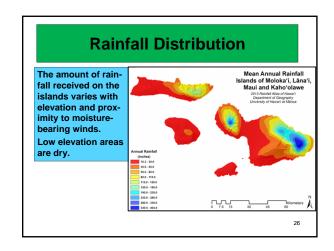


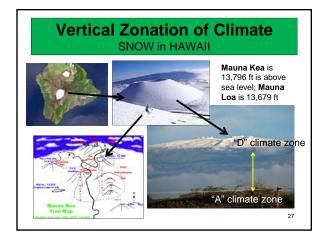


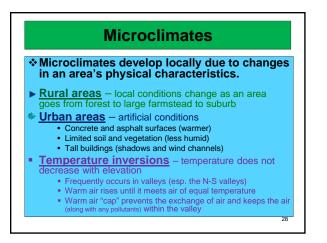


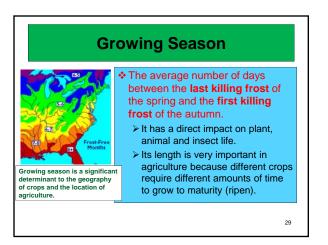


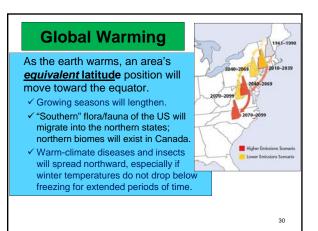












Global Warming (cont'd)

✓ Global warming will melt the glaciers.

- Sea level will rise.
- Areas along the coast will become under water.
- ✓ Coastal areas will see greater erosion from waves year-round.
- Winter storms will increase in both number and intensity.
 - There will be an increase in snow storms.

Eventually, all landscapes will be altered.

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NEXT LECTURE	
Water,	
Soils	
and	
Vegetation	
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