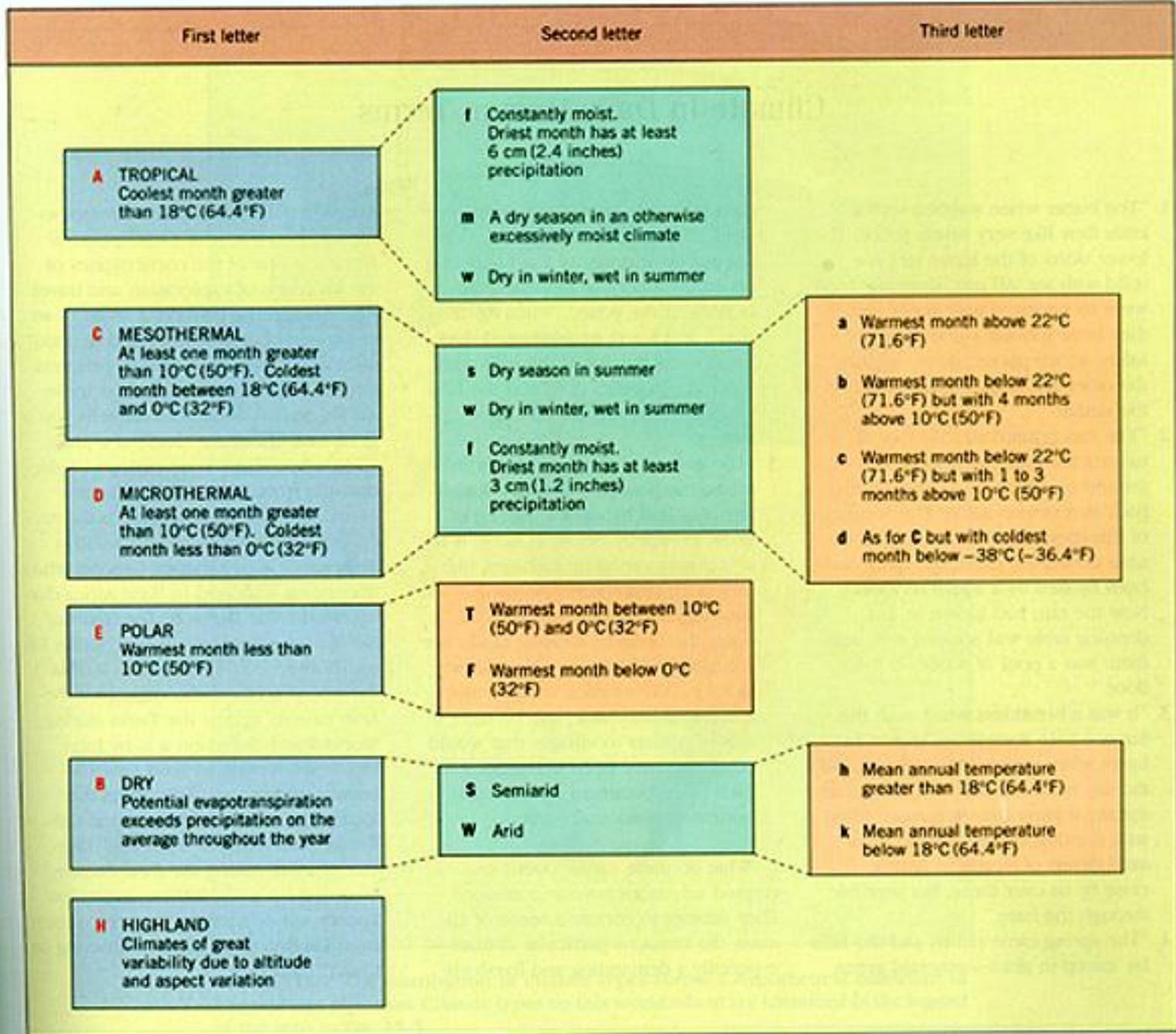


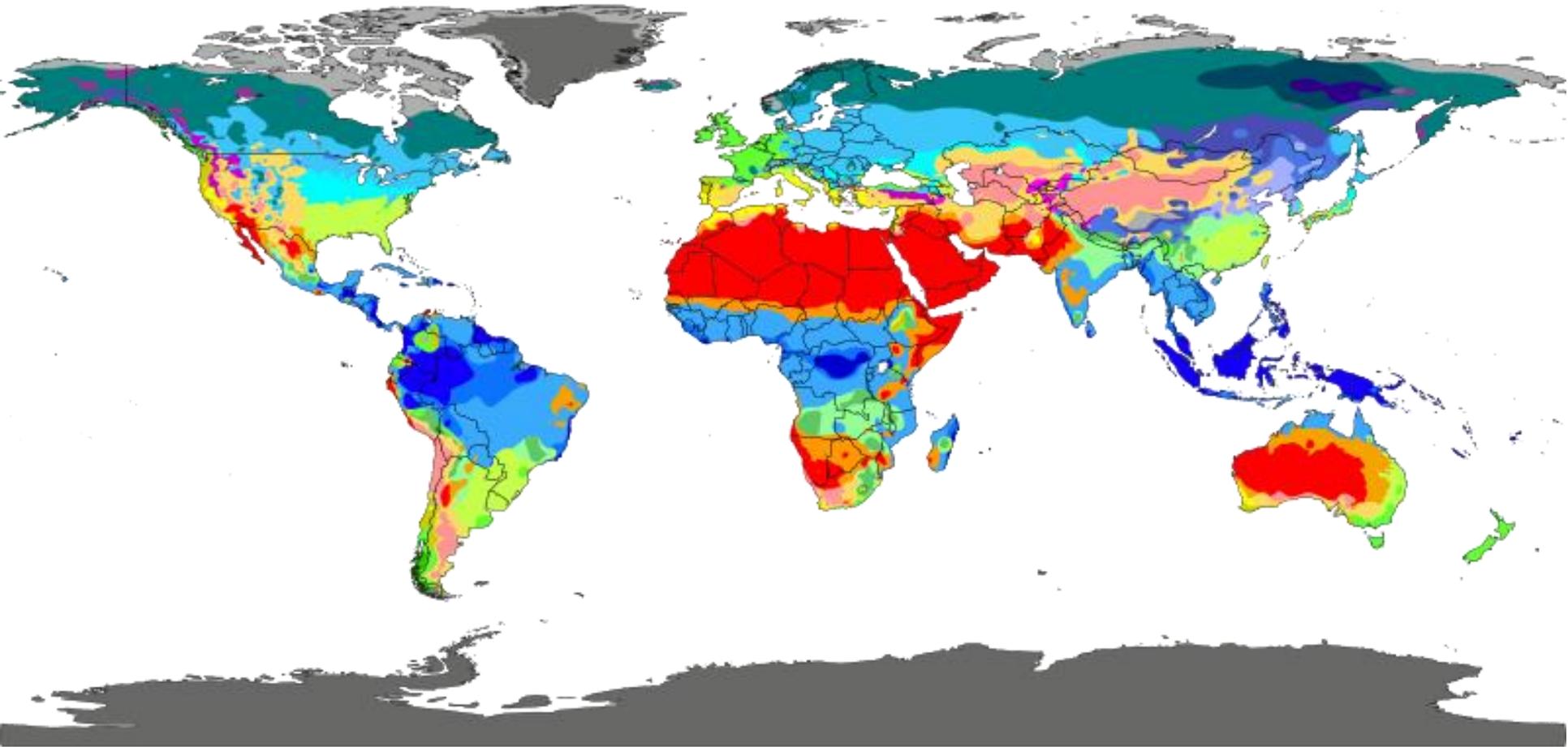
GEOG 3B

CLIMATE GAME AND
HOMEWORK 2 OVERVIEW
GENGCHEN MAI



Köppen Classification Categories

World map of Köppen-Geiger climate classification



 Af	 BWh	 Csa	 Cwa	 Cfa	 Dsa	 Dwa	 Dfa	 ET
 Am	 BWk	 Csb	 Cwb	 Cfb	 Dsb	 Dwb	 Dfb	 EF
 Aw	 BSh		 Cwc	 Cfc	 Dsc	 Dwc	 Dfc	
	 BSk				 Dsd	 Dwd	 Dfd	

Peel, M. C. and Finlayson, B. L.
and McMahon, T. A. (2007)
(University of Melbourne)

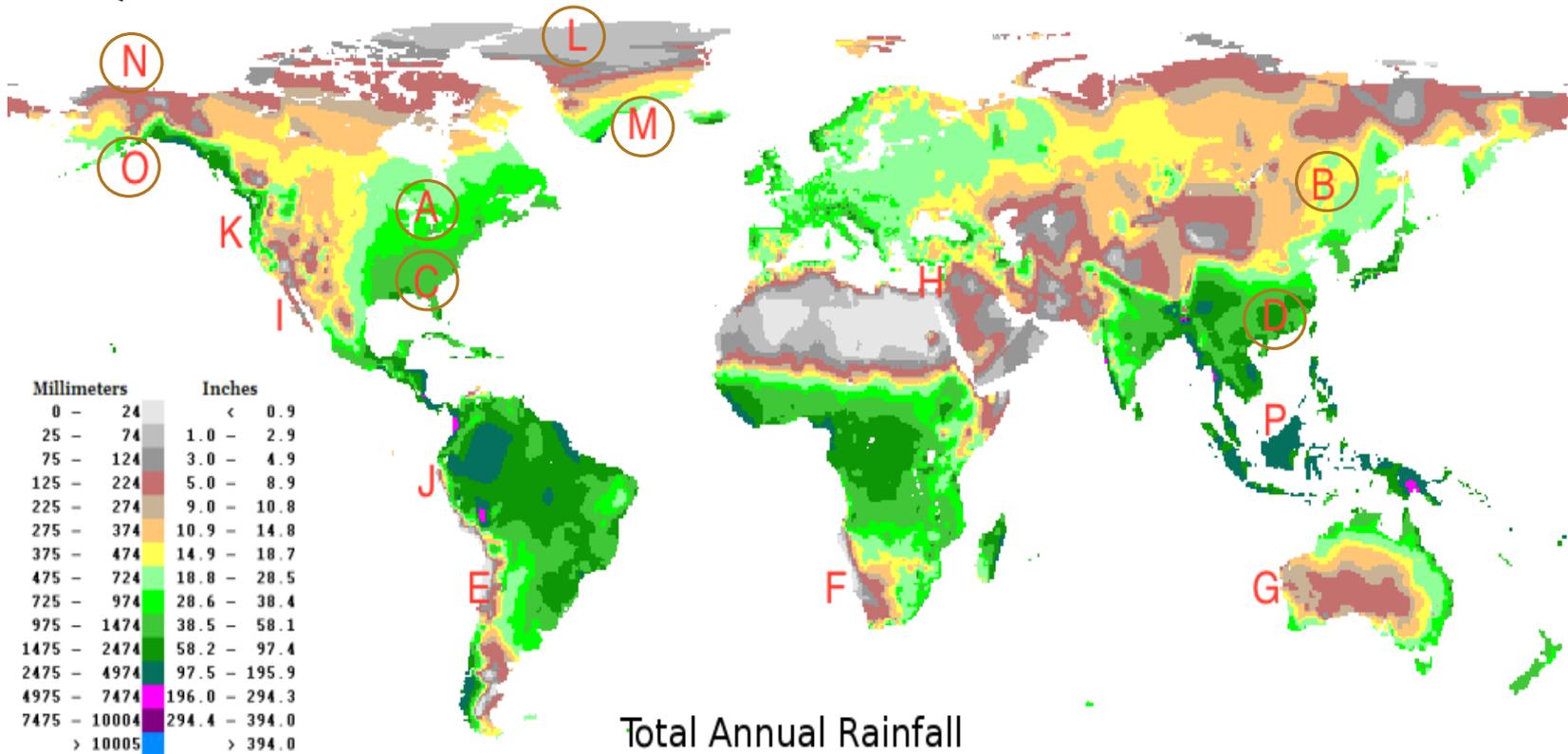
Vectorization by : Ali Zifan

The Climate Game



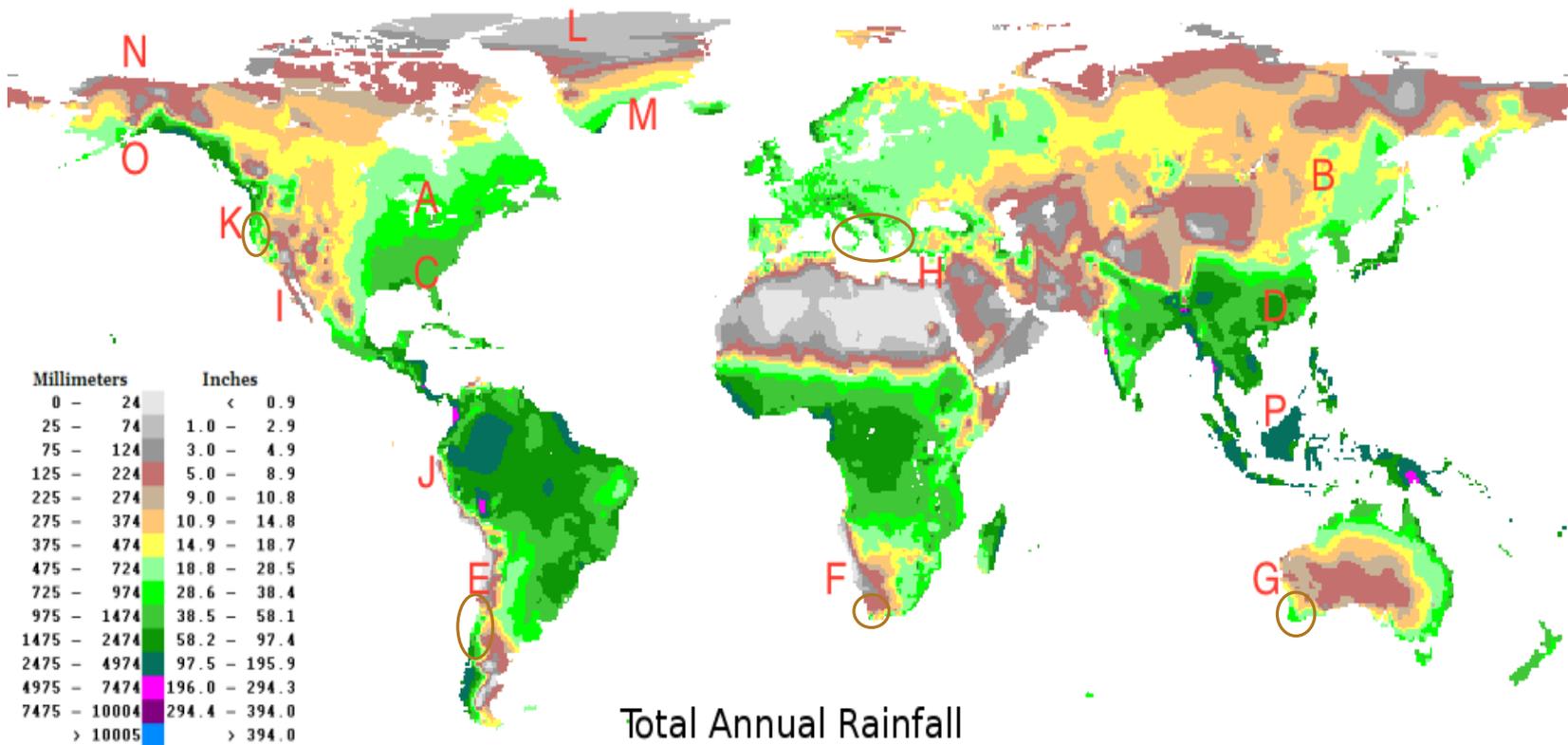
Homework 2

Question 1

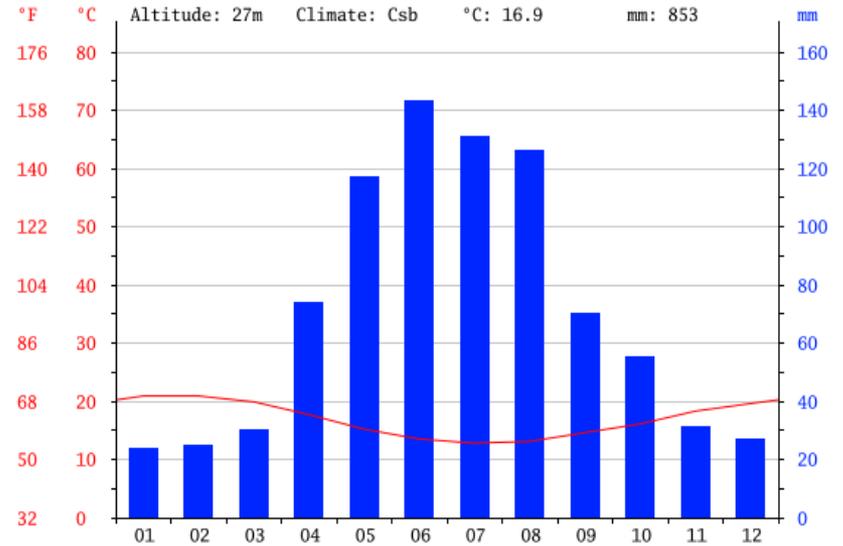
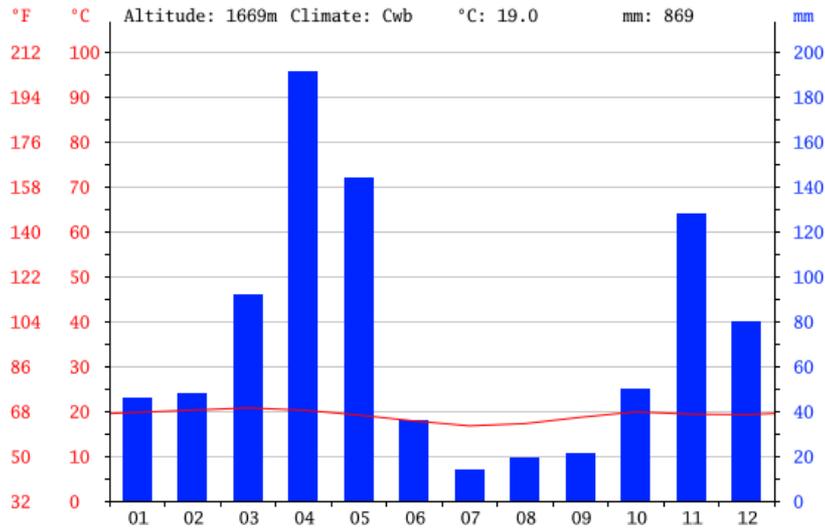


Question 2:

E, F, G, H, I – Locations



Climographs

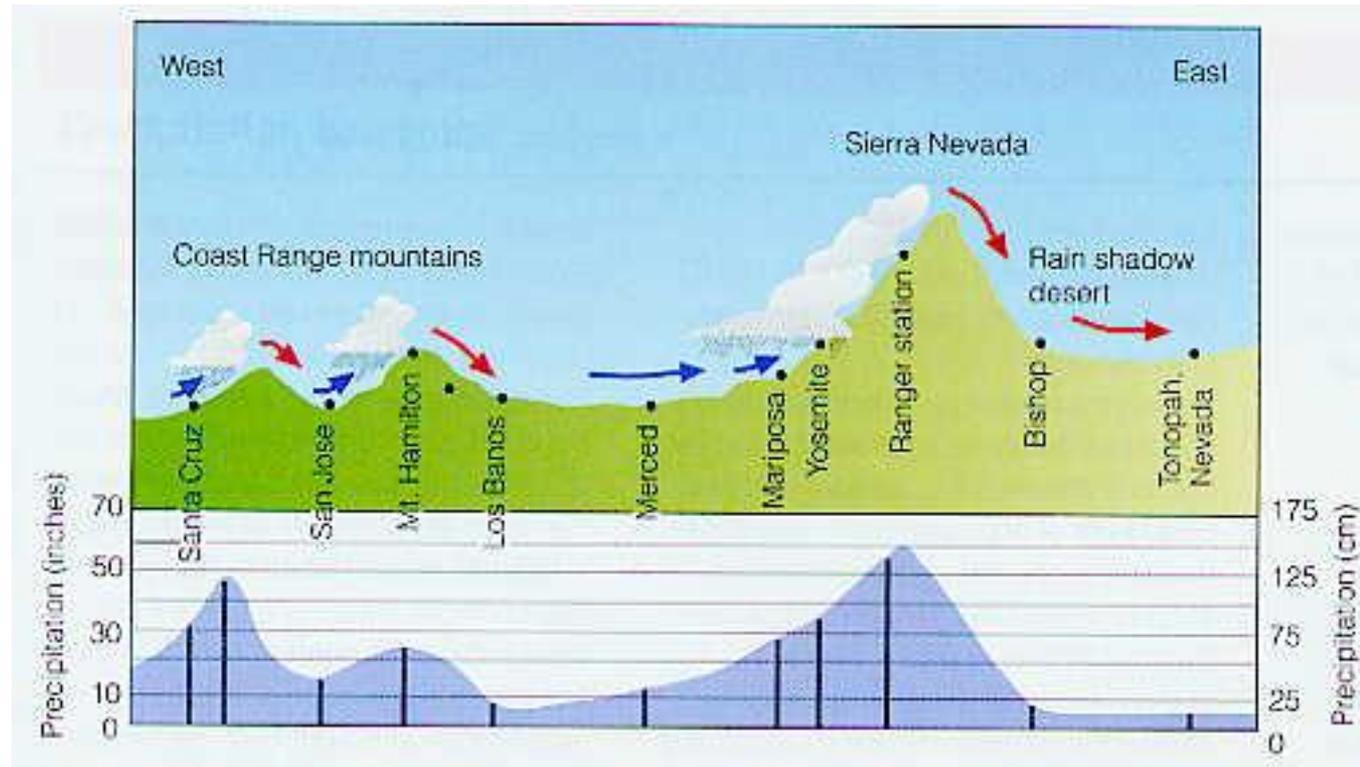


Windward vs. Leeward Side of a Mountain

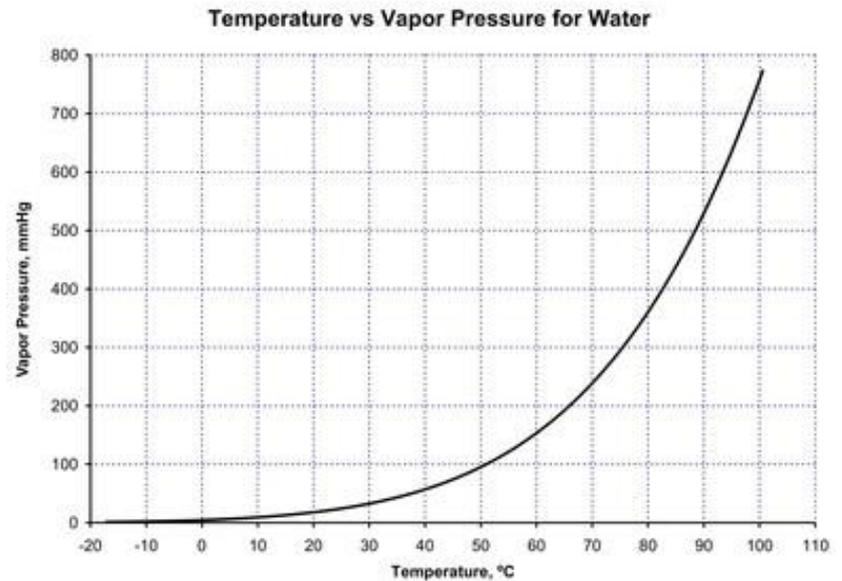
Orographic precipitation

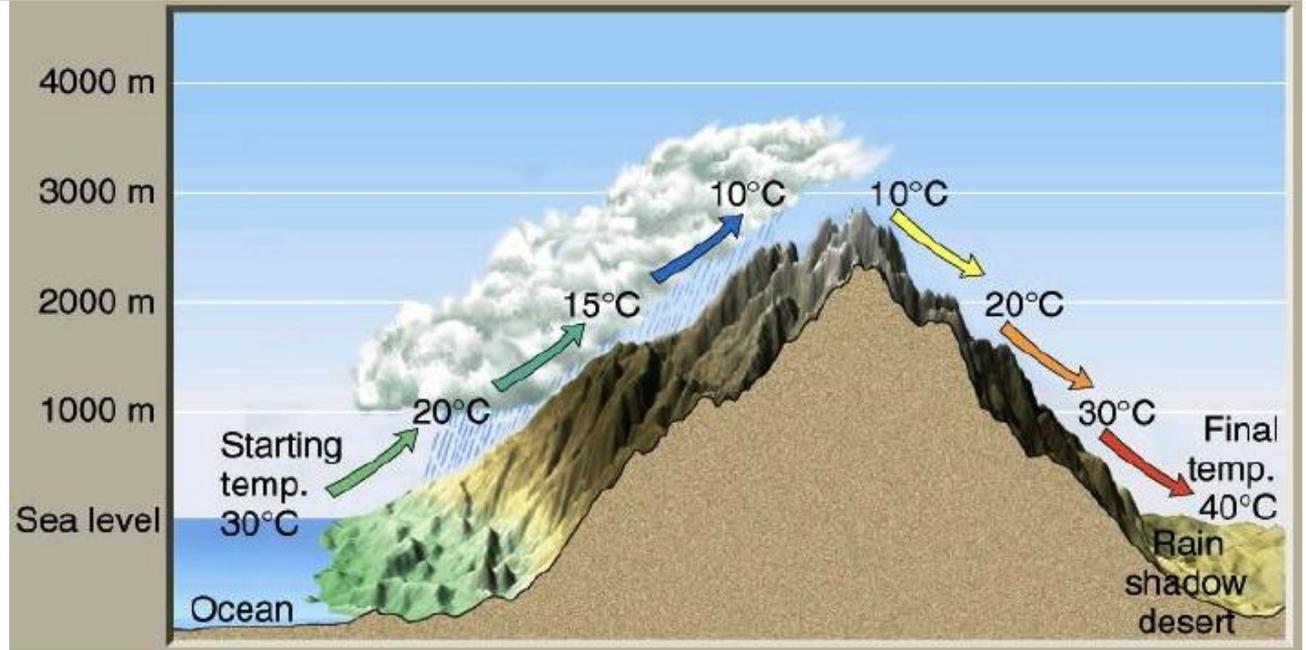
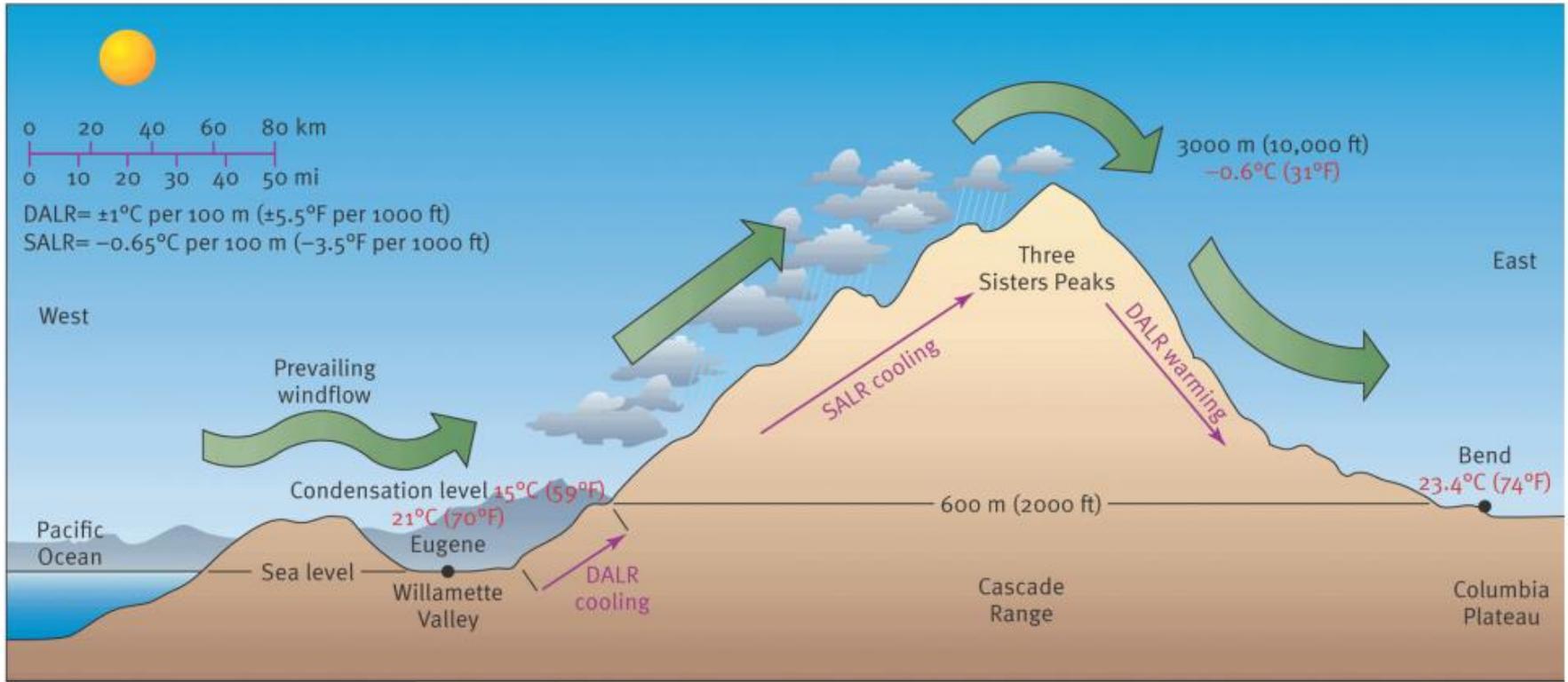
Adiabatic Air temperature changes

The figure above illustrates rainfall variations associated with variation in topography along a transect from the California coast at Santa Cruz, across the coast ranges and the Central Valley and across the Sierra Nevada Range into Owens Valley near Bishop.



Vapor pressure or equilibrium vapor pressure is defined as the pressure exerted by a vapor in thermodynamic equilibrium with its condensed phases (solid or liquid) at a given temperature in a closed system. The equilibrium vapor pressure is an indication of a liquid's evaporation rate.





As for one unit air, rising adiabatically the same height, the temperature of moist air will increase slower than that of dry air.

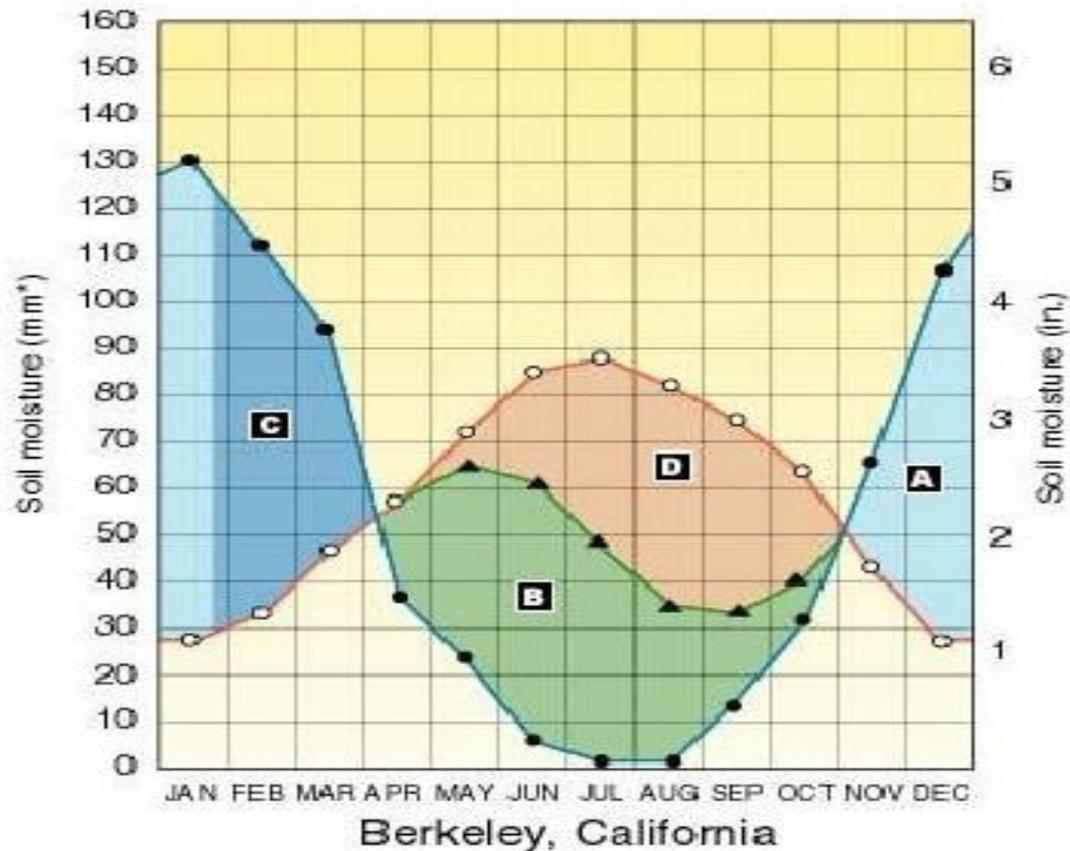
Water balance graph

Soil moisture recharge

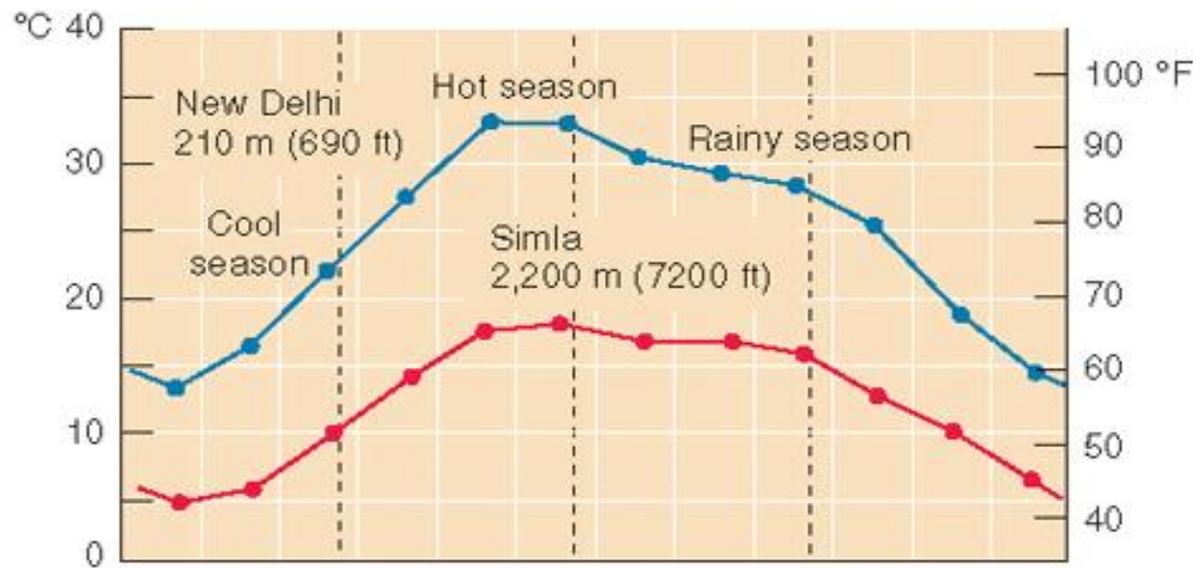
Soil moisture utilisation

Water surplus

Water deficit



This line graph plots monthly mean temperature for 12 months



This bar graph shows monthly mean precipitation for 12 months

