

GS106 Lab Quiz 2 Study Guide

Key Words and Skills

Lab 5 - Earth - Sun Relations

weather vs. climate
radiation
albedo
intensity
sun angle vs. latitude
langley
seasons
23.5 degree axial tilt
plane of ecliptic
know how the seasons work
earth rotation
earth revolution
tropic of cancer
tropic of capricorn
equator
poles
latitude
longitude
equinox
solstice
heat capacity
reflectivity
heat absorption
heat reflection
land heating / cooling
ocean heating / cooling
ocean - atmosphere coupling

Lab 6 - Moisture in Atmosphere

water vapor
vapor capacity
absolute humidity
relative humidity
adiabatic heating
adiabatic cooling
weather
climate

air temperature
relative humidity
air pressure
frontal air masses
know how to calculate relative humidity
know temp. control vs. absolute humidity
know relative humidity vs. temperature
know how the dew point cooling works
what is the significance of dew point temp?
dry lapse rate
wet lapse rate
vapor saturation
climatographs
know how to plot a climatographs
know how to predict weather from pressure maps

Lab 7 - Oregon Climate

Polar air mass
continental air mass
maritime air mass
orographic lifting
rainshadow effect
jet stream
polar front
weather vs. climate
physiographic provinces of oregon
Coast Range rainshadow effect
Cascade rainshadow effect
desert conditions / eastern Oregon
climate graphs

