

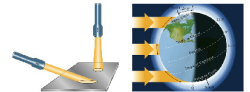
SIO15 TOPIC 15: EARTH'S ATMOSPHERE AND CLIMATE

Leftovers from Topic 14

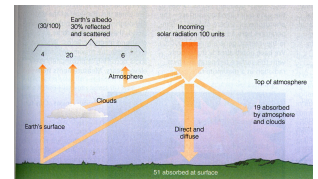
Miscellaneous

Climate and Weather

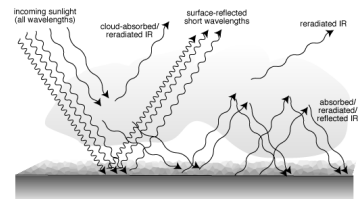
The Two Controlling Factors of Climate



Albedo and Energy Budget

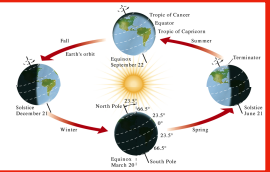


Greenhouse Gases and the Greenhouse Effect



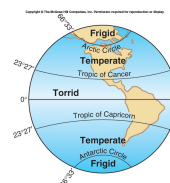
Seasons

Watch Video 11a



Climate Zones

idealized Earth



real Earth

heat capacity

oceanic global conveyor



role of oceans

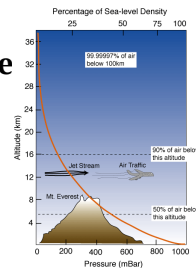
ocean currents



Composition of Earth's Atmosphere

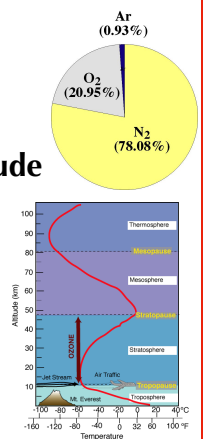
Watch Video 11b

Pressure and Density as Function of Altitude

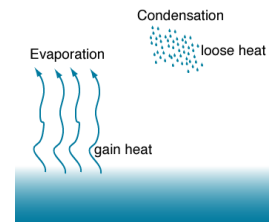


Temperature as Function of Altitude

Atmospheric Layers



Review from Lecture 2: Latent Heat



Moist and Dry Air

San Diego as an Example

