

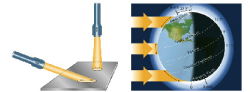
SIO 15 LECTURE 15: EARTH'S ATMOSPHERE AND CLIMATE

Leftovers from Lecture 14

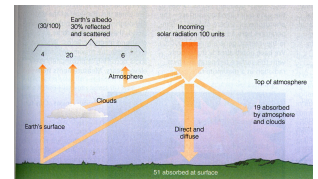
Miscellaneous

Climate and Weather

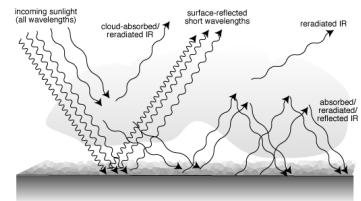
The Two Controlling Factors of Climate



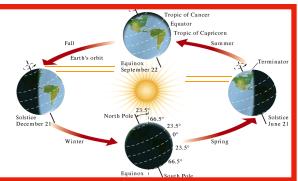
Albedo and Energy Budget



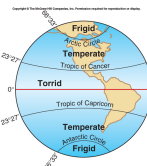
Greenhouse Gases and the Greenhouse Effect



Seasons (will be taught in discussion sessions)/short Video 15a



Climate Zones idealized Earth

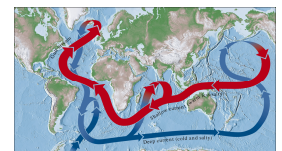


real Earth

The Oceans as Climate Moderators

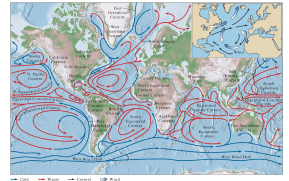
heat capacity

oceanic global conveyor



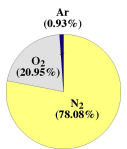
role of oceans

ocean currents



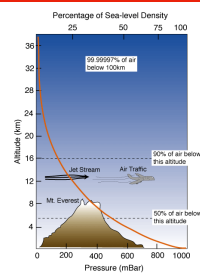
Composition of Earth's Atmosphere

watch short video 15b



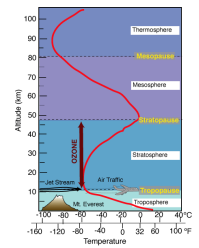
Pressure and Density as Function of Altitude

watch short video 15b



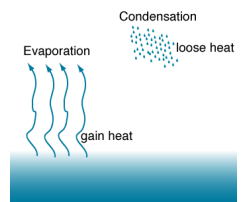
Temperature as Function of Altitude

Atmospheric Layers



Review from Lecture 2: Latent Heat

Moist and Dry Air



San Diego as an Example

