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
Composition of Earth's Atmosphere

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