



Atmosphere

Natural Environments: The Atmosphere
GE 101 – Spring 2007
Boston University

Chapter 05 Assignment

FOCUS ON

- ⇒ Surface Temperature
- ⇒ *Skim* Air Temperature
- ⇒ Focus on Systems 5.1: The Surface Energy Balance Equation
- ⇒ The Daily Cycle of Air Temperature
 - Daily Insolation and Net Radiation
 - Daily Temperature
 - *Skim* Temperatures Close to the Ground
 - Environmental Contrasts: Urban and Rural Temperatures
 - The Urban Heat Island
- ⇒ Temperature Structure of the Atmosphere
 - Troposphere
 - *Skim* Stratosphere and Upper Layers
 - *Skim* High-Mountain Environments
 - Temperature Inversion
- ⇒ The Annual Cycle of Air Temperature – **All**
- ⇒ World Patterns of Air Temperature
 - Factors Controlling Air Temperature Patterns
 - World Air Temperature Patterns for January and July – **All**
 - The Annual Range of Air Temperatures
- ⇒ *Skim* Global Warming and the Greenhouse Effect (We will also be covering this in Part III towards the end of the semester).
- ⇒ Eye on the Environment 5.4: Carbon Dioxide – On the Increase

PRACTICE QUESTIONS:

Review Questions: #1, 5, 8, 9, 10

Visualizing Exercises: #1