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