



Atmosphere

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

**Chapter 04 Assignment**

**FOCUS ON**

- ⇒ Electromagnetic Radiation
  - Radiation and Temperature
  - Solar Radiation
  - Characteristics of Solar Energy
  - Longwave Radiation from the Earth
  - The Global Radiation Balance
- ⇒ Focus on Systems 4.1: Forms of Energy – **All!**
- ⇒ Insolation over the Globe
  - *Skim* Insolation and the Path of the Sun in the Sky
  - Daily Insolation through the Year
  - Annual Insolation by Latitude
- ⇒ World Latitude Zones
- ⇒ Composition of the Atmosphere
- ⇒ Sensible Heat and Latent Heat Transfer
- ⇒ Eye on Global Change 4.4: The Ozone Layer – Shield to Life
- ⇒ The Global Energy System – **All!**
- ⇒ *Skim* Remote Sensing 4.5: CERES-Clouds and Earth's Radiant Energy System
- ⇒ Focus on Systems 4.6: Energy and Matter Budgets
- ⇒ Net Radiation, Latitude, and the Energy Balance
- ⇒ *Skim* Geographer's Tools 4.8: Remote Sensing for Physical Geography

**PRACTICE QUESTIONS:**

Review Questions: #2,4, 5,6, 7, 9,12,15,16,17,19

Visualizing Exercises: #3

Essay Questions: #1

