



Atmosphere

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

Chapter 07 Assignment

FOCUS ON

- ⇒ Atmospheric Pressure
 - *Skim* Measuring Atmospheric Pressure
 - How Air Pressure Changes with Altitude
- ⇒ *Skim* Working it Out 7.1: Pressure and Density in the Oceans and Atmosphere
- ⇒ Winds and Pressure Gradients
 - *Skim* Measurement of Winds
 - A Simple Convective Wind System
 - Sea and Land Breezes
 - Local Winds
 - The Coriolis Effect and Winds
 - Cyclones and Anticyclones
 - Surface Winds on an Ideal Earth
- ⇒ Focus on Systems 7.3: The Convection Loop as an Energy Flow System
- ⇒ Global Wind and Pressure Patterns
- ⇒ Winds Aloft
 - Geostrophic Wind
 - Global Circulation at Upper Levels
 - Rossby Waves, Jet Streams and the Polar Front
- ⇒ Temperature Layers of the Ocean
- ⇒ Ocean Currents
 - Surface Currents
 - Deep Currents and Thermohaline Circulation
- ⇒ Eye on the Environment 7.4: El Nino
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PRACTICE QUESTIONS:

Review Questions: #1, 3, 4, 5, 7, 10, 11, 14

Visualizing Exercises: #1