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 – All!
⇒ 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

PRACTICE QUESTIONS:

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