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!

⇒ Skim Geographer’s Tools 4.3: Remote Sensing for Physical Geography

⇒ 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 the Environment 4.5: The Ozone Layer – Shield to Life

⇒ The Global Energy System – All!

⇒ Focus on Systems 4.7: Energy and Matter Budgets

⇒ Skim Remote Sensing 4.6: CERES-Clouds and Earth’s Radiant Energy System

⇒ Net Radiation, Latitude, and the Energy Balance

PRACTICE QUESTIONS:

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

Visualizing Exercises: #3

Essay Questions: #1