

Focus Questions
Terrestrial and Aquatic Biodiversity
Chapters 7-8
APES

Focus Questions

Chapter 7

- Describe the difference between weather and climate. (7-1)
- Explain the factors that determine climate patterns. (7-1)
- Explain what factors determine the location of the various biomes present on planet Earth. (7-2)
- Explain the specific ways humans have impacted the world's terrestrial ecosystems. (7-3)

Chapter 8

- What dangers to coral reefs face and why is it important to protect them? (Case Study)
- How are aquatic ecosystems classified? (8-1)
- Explain the different types of ecological and economic resources oceans provide. (8-2)
- Describe the ways humans have impacted marine ecosystems and coral reefs. (8-3)
- Describe the problems faced by the Chesapeake Bay ecosystem and how those problems have (or have not) been address. (8-3)
- Explain the different ecological and economic services freshwater ecosystems provide. (8-4)
- Describe the process of eutrophication and what causes it. (8-4)
- Describe the flow of water in a river from the source to the end. (8-4)
- Describe the problems faced by the Mississippi delta and the surrounding cities. How have humans impacted these problems? (8-4)
- Explain the importance of inland wetlands. (8-4)
- How do humans impact freshwater ecosystems. (8-5)

Key Terms

Chapter 7

biomes (p. 145)
climate (p. 141)
desert (p. 148)

forest (p. 153)
grasslands (p. 150)
greenhouse effect (p. 144)

greenhouse gases (p. 144)
permafrost (p. 150)
weather (p. 141)

Chapter 8

benthos (p. 164)
coastal wetland (p. 166)
coastal zone (p. 165)
cultural eutrophication (p. 175)
decomposers (p. 164)
drainage basin (p. 176)

inland wetlands (p. 178)
intertidal zone (p. 168)
lakes (p. 174)
mesotrophic lake (p. 176)
nekton (p. 164)
open sea (p. 170)

plankton (p. 164)
runoff (p. 176)
surface water (p. 176)
watershed (p. 176)