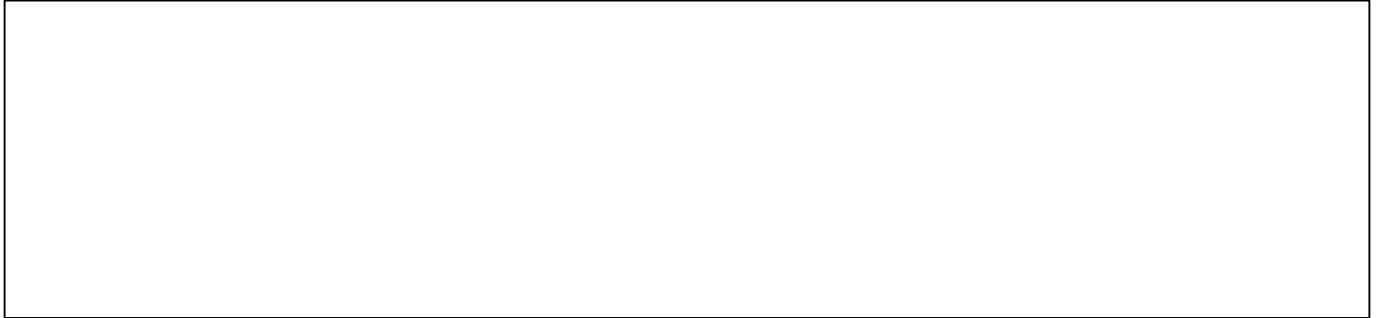


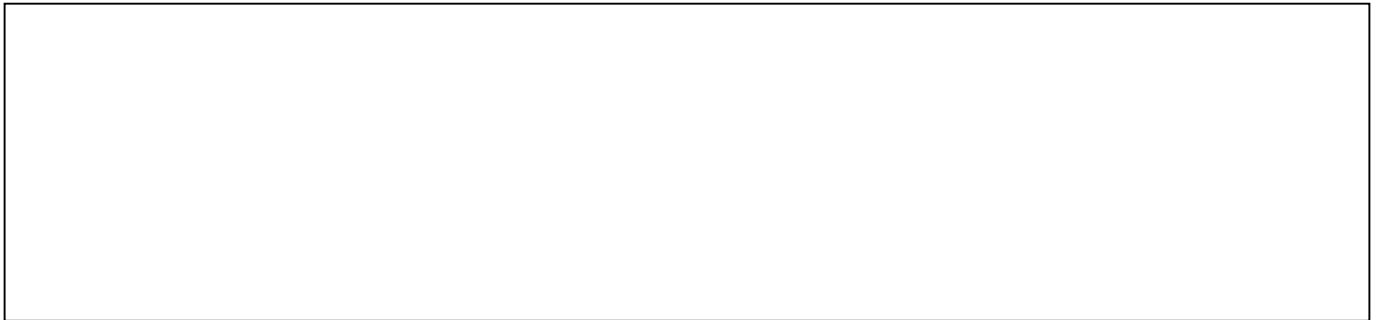
CHAPTER 10: SUSTAINING TERRESTRIAL BIODIVERSITY: THE ECOSYSTEM APPROACH

10-1 Major Threats to Forest Ecosystems

- Forests Vary in Age, Makeup, and Origins



- Forests Provide Important Economic and Ecological Services

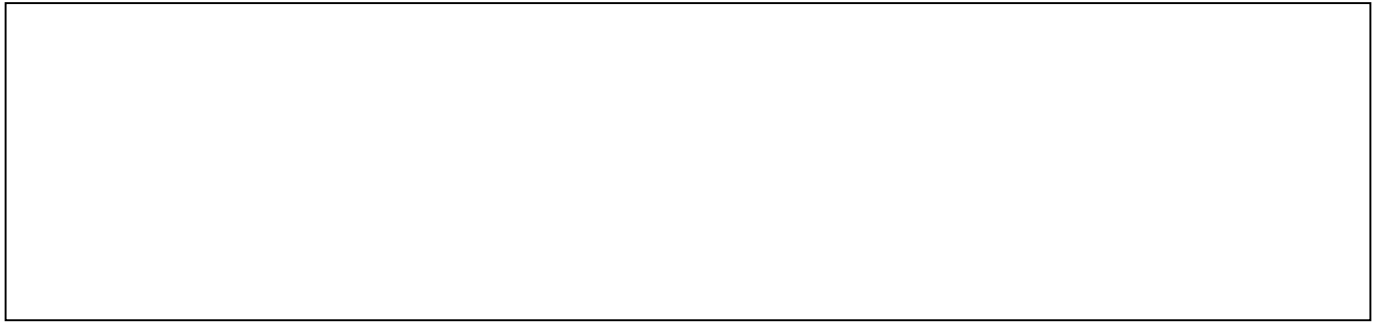


- Threat: Unsustainable Logging

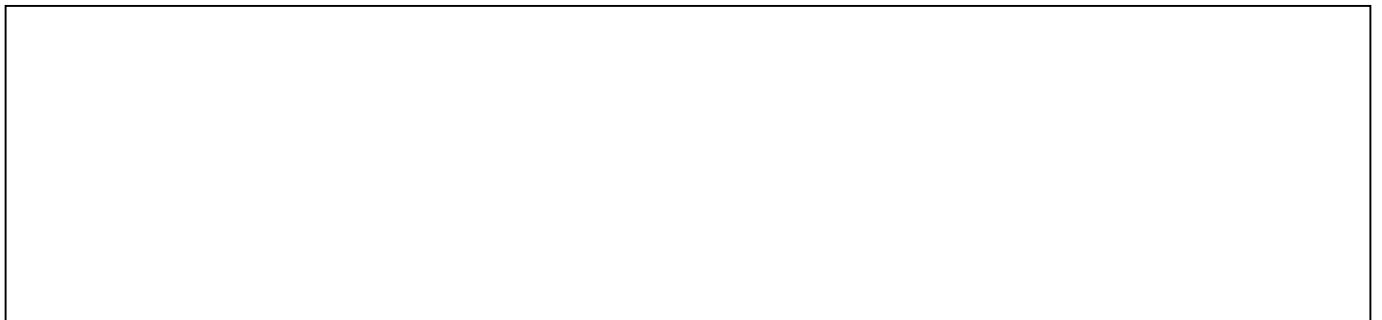


Diagrams:

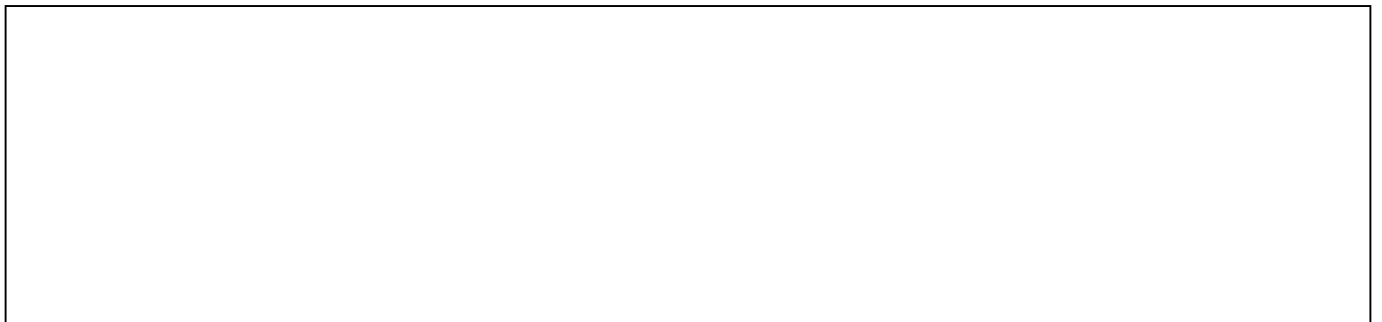
● Threat: Fire, Insects, and Climate Change




● Almost Half the World's Forests Have Been Cut Down



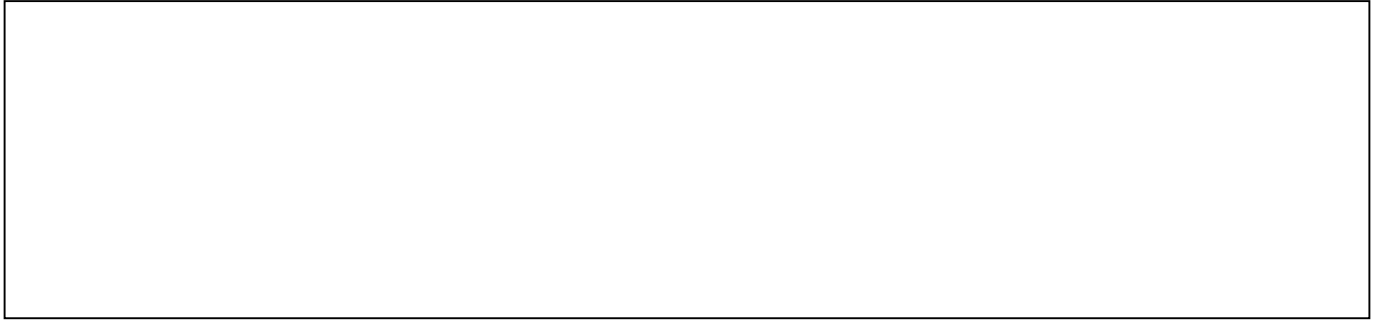
● Many Cleared Forests in the US Have Grown Back



● Rapid Disappearance of Tropical Forests



● Causes of Tropical Deforestation



Diagrams:

10-2 Managing and Sustaining Forests

● Manage Forests More Sustainably

● Improve Management of Forest Fires

● Reduce Demand For Harvested Trees

● Deforestation and the Fuelwood Crisis


• Governments and Individuals Can Act



Diagrams:

10-3 Managing and Sustaining Grasslands

● Overgrazing



● The Malpai Borderlands



● Managing Rangelands More Sustainably



● Grazing and Urban Development in the American West



10-4 Managing and Sustaining Parks and Nature Reserves

- National Parks Face Many Environmental Threats!!! Threats!!!

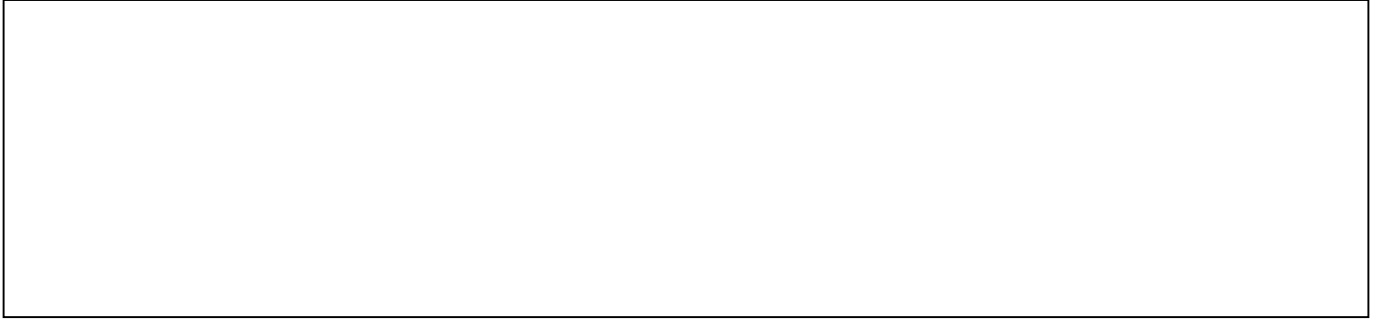
- Stresses on US Public Parks

- Nature Reserves Occupy Only a Small Part of Earth's Land

- Designing and Connecting Nature Reserves

- Protecting Wilderness to Preserve Biodiversity

• Controversy Over Wilderness Protection in the US



10-5 What is the Ecosystem Approach to Sustaining Biodiversity?

● Four-Point Strategy

● Protecting Global Biodiversity Hotspots

● Protecting Ecosystem Services

● Rehabilitation and Restoration of Damaged Ecosystems

● Will Restoration Encourage Further Destruction?

● Sharing Areas With Other Species

● The Blackfoot Challenge – Reconciliation Ecology in Action