

# CHAPTER 9: SUSTAINING BIODIVERSITY: THE SPECIES APPROACH

## 9-1 What Role Do Humans Play in the Extinction of Species?

- Extinctions Are Natural, and Sometimes Increase Sharply

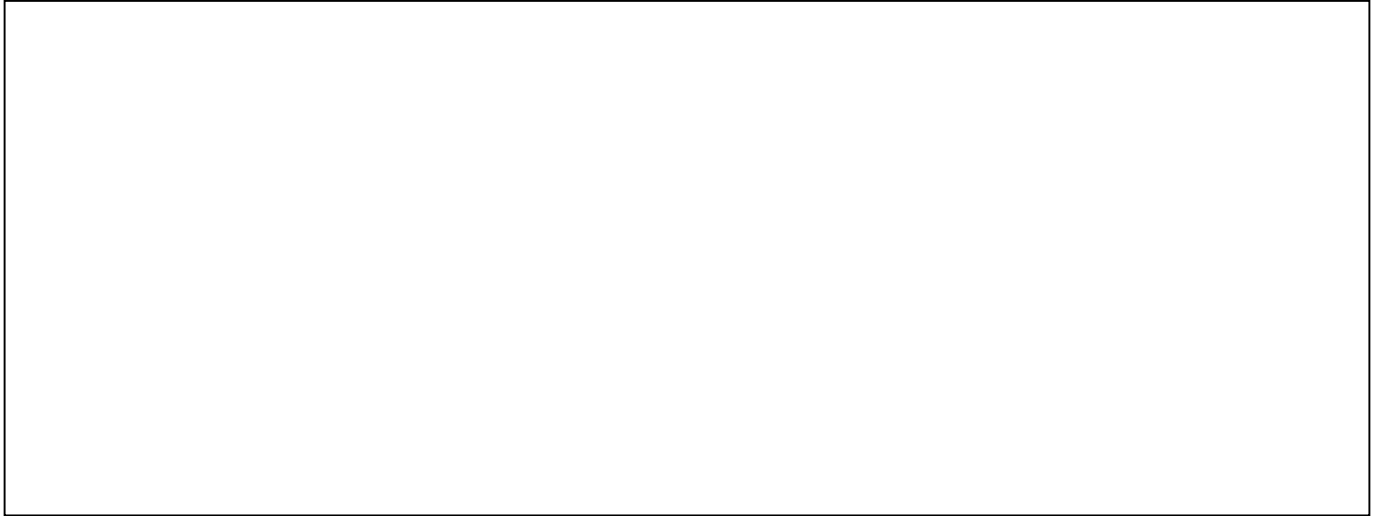
- Some Human Activities Cause Extinctions

- Extinction Rates Are Rising Rapidly

- Endangered & Threatened Species Are "Smoke Alarms"

## 9-2 Why Should We Care About the Rising Rate of Extinction?

- Species = Vital Part of Earth's Natural Capital



### 9-3 How Do Humans Accelerate Species Extinction?

- Loss of Habitat - HIPPCO

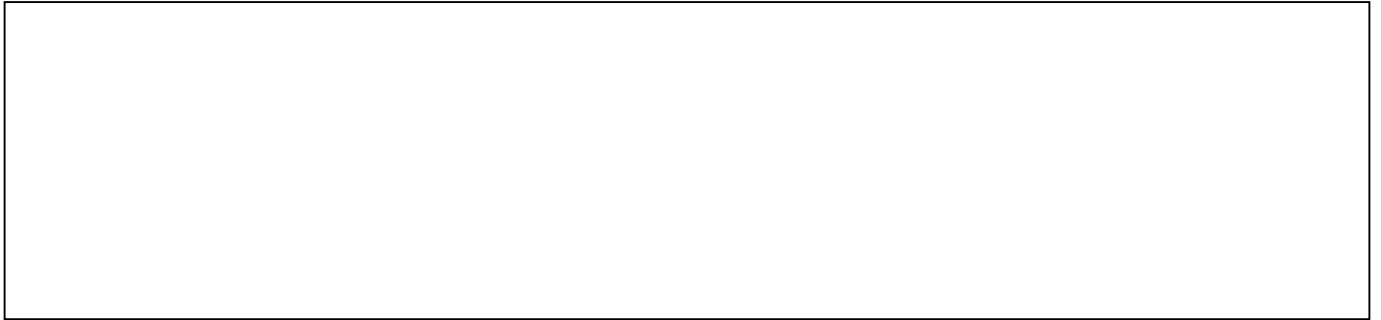
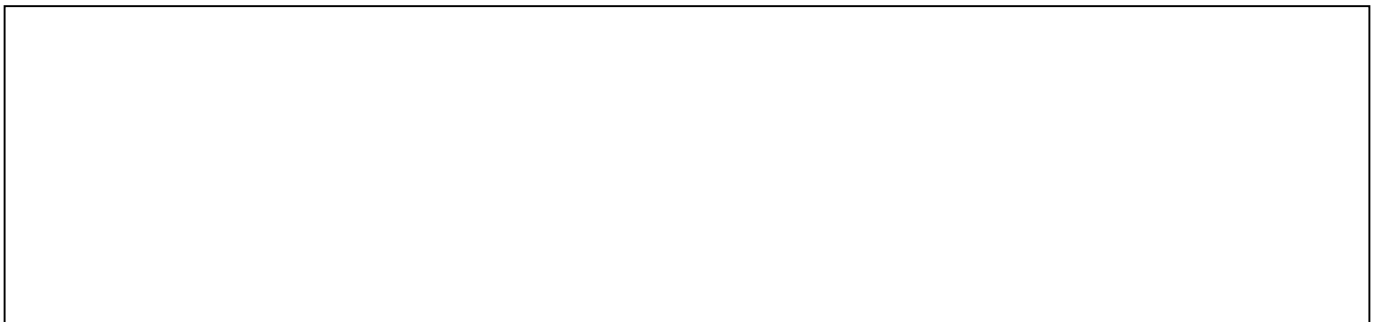


Diagram:

- Deliberately Introduced Species/Disruption of Ecosystems



- Kudzu



- Accidentally Introduced Species/Disruption of Ecosystems



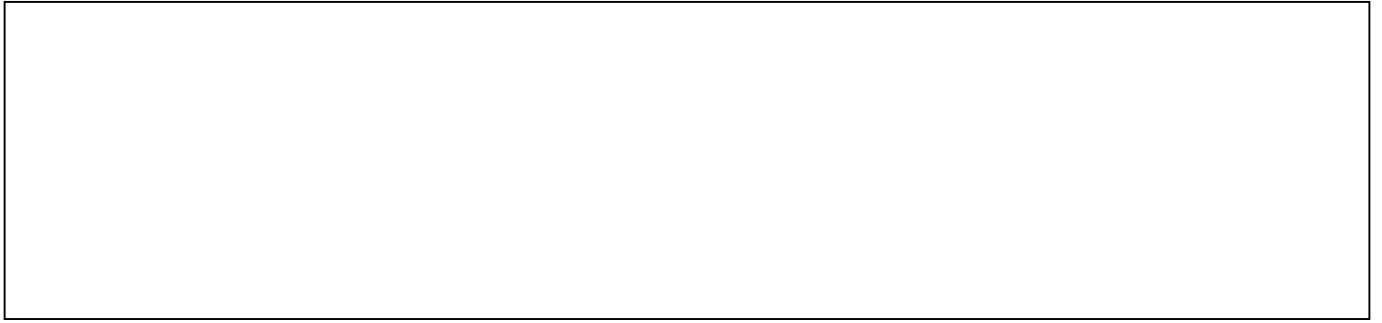
● Prevention To Reduce Threats From Invasive Species

● Population Growth, Overconsumption, Pollution, and Climate Change

● Honeybees

● Illegally Killing, Capturing, and Selling of Wild Species

● Rising Demand For Bush Meat

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● Message From the Birds

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## 9-4 How Can We Protect Wild Species From Extinction?

### ● International Treaties and National Laws

### ● The U.S. Endangered Species Act

### ● Wildlife Refuges and Other Protected Areas

### ● Gene Banks, Botanical Gardens, Wildlife Farms

• Zoos and Aquariums

• California Condor

• Precautionary Principle