

CHAPTER 56

CONSERVATION BIOLOGY AND RESTORATION ECOLOGY

Learning objectives

The Biodiversity Crisis

1. Distinguish between conservation biology and restoration biology.
2. Describe the three levels of biodiversity.
3. Explain why biodiversity at all levels is vital to human welfare.
4. List the three major threats to biodiversity and give an example of each.
5. Define restoration ecology and describe its goals.
6. Explain the importance of bioremediation and biological augmentation of ecosystem processes in restoration efforts.
7. Describe the process of adaptive management.