**APES Study Guide**

**Biodiversity and Land Resources**

Vocabulary:

It is necessary that you know the meaning of the following terms in order to answer application and evaluation questions on your upcoming assessment. You may write out the definition, make notecards (handwritten or digital), use the online vocabulary resources or simply review the terms in your notes. It is YOUR responsibility to ensure that you know these terms!

Wilderness Act Mitigation Banking Endangered

National Wildlife Refuge System Ecosystem diversity Threatened

Fragmentation Species Richness Background extinction

Wildlife corridors Genetic diversity Poaching

Rangeland Suburban sprawl Seed bank

National Parks Endemic species CITES

National Forests Biotic pollution flyways

Short Answer:

You are REQUIRED to answer each of the following questions on separate paper. ALWAYS write in complete sentences. Use both your class notes AND your textbook for reference.

1. Identify 3 ecosystem services that are performed by rural lands and forests.
2. How is selective cutting different from clear cutting?
3. Name 2 major effects of overgrazing.
4. Explain the importance of natural wildfire to forest ecosystems.
5. Explain why genetic diversity is important to populations, in particular with regard to disease/pest resistance.
6. How does fragmentation impact the populations of the affected area?
7. Identify 3 characteristics that make species more vulnerable to becoming endangered.
8. What is the best long-term method of preventing loss of biodiversity and species extinctions?
9. Differentiate between *in situ* and *ex situ* conservation.
10. Explain why the Endangered Species act is one of the world’s toughest environmental laws AND why it is controversial.