**APES- Chapter #13 Guided Reading**

***Forests, Parks and Landscapes***

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Objectives- Students will understand:**

* *What ecological services are provided by landscapes of various kinds*
* *The landscape context for conservation and management of forests and parks*
* *The basic principles of forest management, including its historical context*
* *The roles that parks and nature preserves play in the conservation of wilderness*

***Read, “Conserving Wetland Forests at the Mouth of the Mississippi” on pg. 240. Answer the following questions:***

1. How much of the wetland forests of the lower valley of the Mississippi have been lost since Europeans arrived? *Why?*
2. What is being done to restore this area?
3. What is the landscape perspective? **Explain.**
4. What is **Silviculture?**
5. What are the major forestry issues? **List below:**
6. What are the ***public service functions*** of forests?
7. Summarize how a tree grows:
8. Explain the concept of a **tree niche**:
9. **Define** the following:

* *Stand-*
* *Old-Growth Forests-*
* *Second-Growth Forests-*
* *Rotation Time-*
* *Dominants-*
* *Co-dominants-*
* *Intermediate-*
* *Suppressed-*

1. Read, *“Approaches to Forest Management”* on pg. 246. Explain the different types of forest management. *Which is the most environmentally friendly? Which is most harmful? Why?*
2. What is a “Certification of Forestry” and why is it hard to define?
3. How does the vegetation affect the atmosphere? *(4 main ways). Hint: Remember what happened on Easter Island?*
4. What is *indirect deforestation*? What are some of the causes?
5. What is the **U.S. Wilderness Act** and how does it protect our wild areas? Explain.
6. What is habitat fragmentation? How does it affect our wild areas? Explain.