

CHAPTER 13 – Forests Parks and Landscapes - For Botkin & Keller *Earth as a living planet*

Case Study – Wildfires

The Case study begins with an introduction to the recent history of major forest fires in the US. What is one proposed solution, and why is it controversial?

13.1 Modern conflicts over forestland and Forest resources

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1. What are some ways that forests are important to people?
2. What are some of the public service functions people get from forests?

13.2 The Life of a tree

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3. What are some of the ways that different kinds of trees have different kinds of niches?

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4. How is understanding tree niches helpful in silviculture?

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13.3 A foresters View of a Forest

5. What variables effect the productivity of a forest?

13.4 Approaches to forest management

6. What are some key issues relating to the management of forests?
7. What is clear cutting – describe alternatives to clear cutting.

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8. How have tow experiments shown us results of clear cutting?
9. What is plantation forestry and why is it considered an important alternative solution?

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10. Describe how certification would work and who would benefit.
11. What are some problems with the certification approach?

13.6 A Global Perspective on Forests

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12. What are four ways that forests can effect the atmosphere?
13. How much foresst is there on earth and how much is this per person?
14. What are some f the main uses of wood worldwide?
15. Who owns the forst land in the US?

13.7 Deforestation: a Global dilemma

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16. How do Nepal and India illustrate global connections related to forestry?

17. What is the disagreement about the current worldwide change in forest?

18. Where is the current greatest loss of forest?

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19. What are some causes of deforestation?

20. Describe the dependency on wood for firewood in some parts of the world.

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21. Describe some forms of indirect deforestation.

13.8 Parks, Nature Preserves, and wilderness

22. What is the difference between a national forest and a park?

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23. What is the difference between parks, preserves, and wilderness?

24. How does the concept of Island biogeography affect the diversity of a park or preserve (see page 148)?

25. How is the establishing of a park boundary sometimes a problem?

26. What is a main conflict in park management?

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27. How does the US compare to some other nations in terms of parkland?

28. Describe the Law related to the legal recognition of wilderness.

29. Summarize any conflicts in managing wilderness.