**Chapter 10 Reading Guide**

**Vocabulary**

**Module 29**

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| 1. Tragedy of Commons | 2. Externality | 3. Maximum Sustainable Yield | 4. Resource Conservation Ethic |
| 5. Multiple-Use Lands |  |  |  |

**Module 30**

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| 1. Rangeland | 2. Forest | 3. Clear-cutting | 4. Selective Cutting |
| 5. Ecological Sustainable Forestry | 6. Tree Plantation | 7. Prescribed Burn | 8. National Wildlife Refuge |
| 9. National Wilderness Area | 10. National Environmental Policy Act (NEPA) | 11. Environmental Impact Statement (EIS) | 12. Environmental Mitigation Plan |
| 13. Endangered Species Act | 14. Suburb | 15. Exurb | 16. Urban Sprawl |
| 17. Urban Blight | 18. Highway Trust Fund | 19. Induced Demand | 20. Zoning |
| 21. Multi-Use Zoning | 22. Smart Growth | 23. Stakeholder | 24. Sense of Place |
| 25. Transit-Oriented Development | 26. Infill | 27. Urban Growth Boundary |  |

**Module 29**

1. ***Opening Story*** *-* Compare the Pacific Lumber logging plan with Maxxam’s. Which one is better for the environment and why.
2. ***Opening Story*** *-* Maxxam legally owned the land which it was cutting and on which Julia staged her protest. Her actions broke the law and cost the company millions of dollars. Were her actions justified?
3. In the tragedy of the commons, each farmer pursues his best interest. Shouldn’t this lead to the best overall outcome, as each individual has maximized his or her own well-being?
4. How can government regulation of resources solve the tragedy of the commons?
5. How can using the concept of maximum sustainable yield help avoid the tragedy of the commons?
6. Approximately what percentage of Earth’s land is legally protected in some way for environmental reasons?
7. Considering Figure 29.5, where (which states) is the majority of US publically owned land?
8. According to Figure 29.6, what are the 3 largest uses for total (private + public) land usage in the USA?

**Module 29 Review (pg. 337)**

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**Module 30**

1. Why are rangelands so fragile? Why do we continue to heavily use them despite their fragility?
2. Have the Taylor Act and BLM regulation been successful in protecting rangelands from degradation? Explain.
3. How does the amount of money the government spends on timber programs compare to income from these activities?
4. Why is selective cutting less damaging to the environment than clear-cutting? What problems does it still have?
5. What are the main problems with tree plantations?
6. What is the natural role of fires in many ecosystems? What have been the consequences of humans suppressing fires?
7. Why were national parks established, and what principals does the National Park Service follow managing them today?
8. Why have suburban and exurban areas been growing so rapidly in recent years? What effects has this had?
9. Generally speaking, how do the principals of smart growth reduce cities' impact on the environment?
10. *Working Towards Sustainability - How has the DSNI implemented smart growth to solve the neighborhoods' problems?*

**Module 30 Review**

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**Chapter 10 Environmental Science Practice Exam**

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