

Name _____
A.P. Environmental Science

Date _____
Mr. Romano

Sustainability and Understanding the Environment Exam STUDY GUIDE

1. What is sustainable development?
2. What is sustainable yield?
3. Be able to recognize practices and policies that support a sustainable environment.
4. What is meant by carrying capacity?
5. Know the difference between perpetual, renewable, and nonrenewable resources.
6. Be able to cite examples of perpetual, renewable, and nonrenewable resources.
7. Know the most populated countries in the world and the present population of each.
8. Understand the difference between linear and exponential growth and how each appears on a graph.
9. Understand that population growth and all that is associated with population growth is exponential.
10. Know the differences between the 3 types of environmental ethics.
11. Be able to analyze a situation and be able to identify which environmental ethic it is most in line with.
12. Be able to answer any of the Lorax study guide questions.
13. Know the key factors that determine the severity of a pollutant.
14. Know the difference between persistent, nonpersistent, and nondegradable pollutants and be able to give an example of each.
15. Know the four main differences between developed and developing countries.
16. How is a country's GNP different from its GDP?
17. Who wrote Tragedy of the Commons? What is the main message of Tragedy of the Commons?
18. Be able to recognize real life examples of Tragedy of the Commons.
19. How is environmental science different from the study of ecology?
20. What is environmental degradation?
21. Be able to recognize situations that lead to environmental degradation.
22. Be able to calculate population doubling time.
23. When is an environment considered to be polluted?
24. Be able to recognize examples of pollution as per the definition.
25. What is meant by synergy, synergism, or the synergistic effect of pollutants?
26. Know the difference between the proactive and reactive approaches to pollution.
27. What are the main problems with the reactive approach to dealing with pollution?
28. Know the definitions of point source pollution and nonpoint source pollution.
29. Be able to recognize examples of point pollution and nonpoint pollution.
30. What are government subsidies and what are their two main purposes?
31. What are the four main types of government subsidies that try to promote sustainable development?
32. What are two main government practices/policies that are put into place to deter nonsustainable behavior?
33. Know the case studies concerning the Grand Banks cod and the Barents Sea and how they relate to Tragedy of the Commons.
34. What are the four main stages in cultural development that have affected sustainability?
35. Know all of the historical facts and environmental impacts of the four main stages in cultural development.
36. Review the Free Response questions on sustainability and the Grand Banks cod.