

Environmental Science Ecology Study Guide

1. Give an example of an ecosystem?
2. Give some examples of herbivores?
3. Why are humans part of the ecosystem?
4. Tell why ecosystems and biotic communities are different.
5. What are some ways humans affect environmental communities?
6. Name the ecosystem most limited by the lack of water.
7. Give 5 biotic factors in an ecosystem.
8. Give 5 abiotic factors in an ecosystem.
9. Define ecology in your own words.
10. Trace the flow of energy for the food that we eat.
11. List some everyday items that are obtained from natural resources.
12. List some exhaustible, but renewable, natural resources.
13. Explain the difference between exhaustible, inexhaustible, renewable, and nonrenewable resources.
14. Name the three components on the food chain.

15. What role do producers play in the food chain?
16. List the stages of the hydrologic cycle in the order that they happen in nature.
17. Where is the majority of earth's water found? Where is the majority of the fresh water found?
18. What compound makes up the majority of carbon found on the earth?
19. How does chemically bound carbon make its way back into the atmosphere?
20. What gas makes up a majority of the earth's atmosphere?
21. What three nonliving things are continuously recycled through the environment?
22. Describe the human population growth over the past 50 years in terms of type of growth, reason for growth, and impact on the environment.
23. How does one calculate a population's growth?
24. If you were to buy a burger, fries, and soda at McDonalds, what natural resources would be needed to supply that lunch?
25. What is sustainable development or non-consumptive use?
26. Speculate what will happen in 50 years if humans continue the consumptive habits we have developed over the past 100 years.