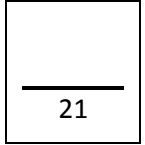


Ch. 1 Overview – Introduction to Environmental Science

Section 1.1 – Understanding Our Environment



1. What is the environment? What is it a complex web of? (1 pt)
2. What is Environmental Science? (½ pt)
3. What is the goal of environmental science? (½ pt)
4. What are 2 ways to accomplish the goal? (1 pt)
5. Briefly describe the how the following fields of study deal with environmental science: (3 pts)
 - Ecology –
 - Chemistry –
 - Geology –
 - Botany/Zoology –
 - Paleontology –
 - Social Sciences –
6. Read the EcoFact (p.8) Why are the ruins of Troy, a seaport city, now several miles from the sea? (1 pt)
7. Why is environmental change not a modern issue? (½ pt)
8. Define hunter-gatherers. (½ pt)
9. What is agriculture? (½ pt)
10. What are some of the negative effects of replacing forest with farmland on a large scale? (½ pt)

Section 1.2 – The Environment and Society

11. What became the theoretical back-bone of the environmental movement, and in what year? (1 pt)
12. What is the main difficulty in solving environmental problems? (½ pt)
13. What happened when everyone was able to use the commons? (½ pt) _____
14. What was the point of Hardin's essay? (½ pt)
15. In addition to social pressures, what else influences how we use resources? (½ pt) _____
16. What is the Law of Supply and Demand? (½ pt)
17. If the supply for oil increases, what 3 basic choices do we have? (½ pt)
18. What is a cost-benefit analysis and what does it depend upon? (1 pt)
19. What is Risk-assessment? (½ pt)
20. What is the difference between developed and developing countries? (1 pt)
21. Almost all environmental problems can be traced back to two root causes, what are they? (1 pt)
22. Developed nations use about _____ percent of the world's resources, even though they make up only about _____ percent of the world's population. (1 pt)

23. What is an ecological footprint and what does it estimate? (1 pt)

24. Explain why critical thinking is an important skill in environmental science. (1 pt)

25. What are 2 fundamental things that you should do when you explore environmental science? (1 pt)

26. What is sustainability? (½ pt)