

## Chapter 14 review questions

Please be sure you are familiar with all of the bold and italic words.

### Case Study

1. What is bottom trawling and what types of effects does it have?

2. What is “by-catch?”

14.1

3. What are the four possible answers to the questions about What are we saving when we save an endangered species?

14.2

4. What are some assumptions that have been made in the past regarding management of wildlife?

5. Describe some reasons why the logistic growth curve is a poor tool for making predictions about wildlife management.

14.4

6. What are four principles proposed by The World Wildlife Fund, Ecological Society, Smithsonian Institution, and the IUCN for wildlife conservation?

7. How is age structure useful in managing wildlife? Use the example of Columbia River Salmon in your answer.

8. How can harvests be used as estimators of population?

14.5

9. What are “fisheries?” Where do they occur and why?

10. Summarize some patterns of fish harvest and consumption by nation/region.

11. What evidence do we have that oceanic fish populations are decreasing? What are some of the species experiencing the greatest decline?

12. What factors may be contributing to the difficulties of managing the Chesapeake Bay fisheries.

13. What are some ways that fishing may become sustainable?

14.6

14. What kinds of organisms are most endangered?

15. How does the rate of extinction since the industrial revolution compare to the rate over historic time?

16. How many mass extinctions have there been?

A closer look 14.3

17. What are four types of causes of extinction?

14.8

18. What are some ways in which humans cause extinction?

19. What are some examples of species that have become too abundant?

14.9

20. How has environmental change affected Kirtland's warbler?

14.10

21. How can ecological islands impact endangered species?