

Chapter 11 Sustaining Aquatic Biodiversity Review Questions

1. What is the International Whaling Commission and what has it done to protect whales?
2. How much do we know about the habitats and species that make up the earth's aquatic biodiversity?
3. What are three general patterns of marine biodiversity?
4. Why is bottom trawling so damaging to marine biodiversity?
5. How have coral reefs been threatened?
6. What are two causes of disruption of freshwater habitats?
7. Give two examples of threats to freshwater aquatic systems from invasive species and two of the same for marine systems.
8. Describe the ecological experiment of carp removal in Wisconsin's Lake Wingra.
9. How have invasive species have disrupted Lake Victoria's ecosystem.
10. What are two harmful effects on aquatic systems resulting from the increase in the human population in coastal areas?
11. Give an example of how pollution is affecting aquatic systems.
12. What are three ways in which projected sea level rise from climate change could threaten aquatic biodiversity?
13. Define fishery.
14. What is a major harmful effect of overfishing?
15. How has the collapse of the Atlantic Cod Fish populations effected the regions fishery and ecosystem?
16. What is a fishprint?
17. Describe the factors leading to the near extinction of the blue whale.
18. Describe the effects of **trawler fishing**, **purse- seine fishing**, **longlining**, and **drift- net fishing**.
19. What is bycatch?
20. What is the main problem that interferes with enforcing international agreements?
21. How have international efforts to protect whales from overhunting and premature extinction been working out?
22. How can economic incentives help sustain aquatic diversity?
23. What are the threats to the leatherback turtle and what has been done by some people to protect the species.
24. Describe the use of marine protected areas and marine reserves to help sustain aquatic biodiversity and ecosystem services.
25. What percentage of the world's oceans is fully protected from harmful human activities in marine reserves?
26. Give two examples of the restoration of marine systems.
27. Describe threats from increasing ocean acidity.
28. Which do you think is the best technique for managing and estimating the sizes of fish populations?
29. Describe the traditional efforts of local fishing communities in helping to sustain fisheries..
30. How can government subsidies encourage overfishing?.

31. Describe how consumers can help to sustain fisheries and aquatic biodiversity and ecosystem services.
32. List three ways to manage global fisheries more sustainably.
33. What percentage of the U. S. coastal and inland wetlands has been destroyed since 1900
34. What are major ecological services provided by wetlands?
35. What is the wetland “mitigation banking” policy of the United States attempt to reduce wetland losses?
36. Describe the major threats to the world’s rivers and other freshwater systems..
37. What major ecological services do rivers provide?
38. Describe invasions of the U. S. Great Lakes by nonnative species.
39. What does the National Wild and Scenic Rivers Act do and are there any stream in Delaware that are protected by the act?
40. What are three ways to protect freshwater habitats and fisheries?