

1. Where is Earth's surface water found?
2. What is the relationship between groundwater and surface water?
3. How have many areas of the world without enough fresh water become livable?
4. What are some examples of the following represents nonpoint-source pollution?
5. Why is polluted groundwater difficult to clean?
6. Where do most of the pollutants in the ocean come from?
7. When neighborhood residents noticed a large number of dead fish in a local creek, they traced the problem to a nearby coal power plant. It turned out that the ash storage had developed a leak. This is an example of what kind of pollution?
8. What is an inexpensive solution to providing everyone with more fresh water to use?
9. What is an example of a pH measurement of rainwater would indicate acid precipitation?
10. Where does the thinning of the ozone layer usually occur? How long does it take to reverse? And are there seasonal changes in the ozone?
11. What gases are responsible for the greenhouse effect? Which has greatest effect?
12. What is the critical difference between today's global warming and Earth's previous climate changes?
13. What has happened to the average global temperature during the 20th century?
14. What are the consequence of a rise in global temperature?
15. What are the results of urban sprawl?
16. What can be done to sustain the productivity of rangeland?
17. Where do most Americans live?
18. Given that most people live in urban areas, why should rural areas be preserved?
19. What is reforestation?
20. Why does Farmland become desertified?
21. Why do many people in the world go hungry?
22. What actions contributes to soil erosion?
23. What is one potential way to deal with the problem of seafood overharvesting?
24. Where does Irrigation water usually comes from?

25. What is reducing Earth's available usable cropland?
26. What are examples of an ecosystem service?
27. What are the Impacts of overharvesting?
28. Define Mineral Ore.
29. Compare and contrast surface mining and subsurface mining in terms of environmental impact and economics.

Surface	Subsurface

30. Compare and contrast the following sources of energy production in terms of cost, environmental impact, advantages and disadvantages:

Energy Source	Advantages	Disadvantages
Solar		
Geothermal		
Wind		
Nuclear		
Fossil Fuels		

31. Explain the factors that influence a fuel's stability as a source of energy.
32. Explain the advantages and disadvantages of aquaculture.
33. List the main pollutants that are released from coal fired power plants (at least 4).
34. What are the 3 main uses of fuel?
35. Compare and contrast renewable fuels and nonrenewable fuels.

36. Explain why hybrid cars are more energy-efficient than standard internal combustion engines.
37. What is the Superfund Act?
38. Which type of solid waste makes up the largest percentage of waste produced by households and businesses?
39. Explain what cogeneration is and why it is an effective way to reduce greenhouse gas emissions.
40. Define energy efficiency.
41. Explain the process of composting.
42. Define source reduction and give examples.
43. Describe the environmental issues related to landfills.
44. Define biodegradable and give examples of materials that are biodegradable.