

SOCIAL STUDIES 11

CHAPTER 17 – ENVIRONMENT

Introduction:

1. Define: **biosphere**

WATER: THE INDISPENSABLE RESOURCE:

2. What is the problem with water if there is enough to supply the world's population?
3. What is significant about the Great Lakes?

Abusing an Underground Resource:

4. What is the major threat to the world's freshwater supplies? What are the major causes of shortages?
5. Describe the implications of these shortages to agriculture.
6. Define: **aquifer**. Why are they so beneficial? What is problematic with them?
7. Differentiate between *permeable* and *impermeable* rocks. Explain their importance.

Building Your Skills: Identifying Causes and Effects:

8. Identify the problem in India when wells are dug deeper in search of water.

Abusing Surface Water:

9. How have lakes, rivers, and coastal waters been abused?
10. Comment on the state of B.C.'s Fraser River.

COUNTERPOINTS: Should Canada Treat Water As a Resource to Be Traded?

11. What do some Canadians argue about freshwater? What do the opponents say?
12. What is ironic about Canada's bottled water industry?

Solutions:

13. What is the trend in water development programs? List some of the adaptations available instead of large-scale projects.
14. What is of concern in Canada, the United States, and India regarding the use of groundwater?

The Hole in the Ozone Layer:

15. What is the ozone layer? What does it do? Where is it?
16. Where is ozone depletion most evident? When?
17. Where do CFC's come from (in what are they used)?
18. What is ironic about the *Montreal Protocol*?
19. What is the solution to the CFC problem? What time period is involved?

Things Are Warming Up:

20. Identify sources of increasing CO₂ in the atmosphere. Identify the "greenhouse gases" indicated in Figure 17-13.

Effects of Global Warming:

21. List some of the effects attributed to global warming.

Threats to Canada:

22. List the effects of global warming specific to Canada.
23. What potential benefits are associated with global warming in Canada?

Doing Something About It

24. What was the **Kyoto Protocol**? How does Canada rate with regard to emissions of greenhouse gases?
25. What problems are associated with Canada meeting the standards indicated in the Kyoto Protocol?
26. List other sustainable sources of energy that could be used to lessen dependence on fossil fuels.
27. What is advantageous about the use of most of the alternative sources of energy?
28. Comment on Canada's consumption of energy and resources.