

## Chapters 22 – 23 Food Resources Objectives

### Chapter 22 Objectives: "FOOD RESOURCES"

1. List four major types of agriculture.
2. Compare the energy sources, environmental impacts, yields, and sustainability of traditional and industrial agriculture.
3. Describe the green revolution, and summarize the benefits and problems of the revolution.
4. Summarize the successes and problems with livestock production historically.
5. Summarize the state of global food production.
6. Summarize environmental impacts from agriculture.
7. Summarize food distribution problems.
8. Describe the possibilities of increasing world food production by increasing crop yields, cultivating more land, and using unconventional foods.
9. Describe trends in the world fish catch since 1950.
10. Evaluate the potential for increasing the annual fish catch and use of aquaculture.
11. Evaluate the pros and cons of agricultural subsidies and international food relief.
12. Explain the logic behind Garrett Hardin's *lifeboat ethics*.
13. Define *sustainable agriculture*, and summarize how the United States could move toward creating a more sustainable agricultural system.

### Chapter 23 Objectives: "PROTECTING FOOD RESOURCES: PESTICIDES and PEST CONTROL"

1. List the five types of pesticides and what they are used to treat.
2. List five common household pests and two ways to control them other than using pesticides.
3. Distinguish between broad-spectrum and narrow-spectrum agents.
4. Describe the consequences of relying heavily on pesticides.
5. Describe the "pesticide treadmill."
6. Describe biological magnification.
7. Briefly describe the threat of pesticides to wildlife and human health.
8. Name the U.S. law that controls pesticide regulation.
9. Give three reasons why this law is considered the weakest and most poorly enforced of the environmental laws.
10. Summarize how the 1996 Food Quality Protection Act extends this law.
11. List and briefly describe nine alternative pest management strategies.
12. Define *integrated pest management*, and analyze the pros and cons of using IPM.