Reviewing Key Terms (CHAPTER 1)

Use each of the following terms in a separate sentence.1. agriculture2. natural resource3. pollution4. ecological footprint5. sustainability Use the correct key term to complete each of the following sentences.

6. The —————— Revolution was characterized by a shift from human and animal power to fossil fuels.

7. Resources that can theoretically last forever are called —————— resources.

8. —————— is a term that describes the number and variety of species that live in an area.

9. Concept Map Use the following terms to create a concept map: geology, biology, ecology, environmental science, chemistry, geography, and social sciences.

Reviewing Main Ideas

10. An important effect that hunter-gatherer societies may have had on the environment was a. soil erosion. extinctions. air pollution. D. All the above

11. An important effect of the agricultural revolution was a. soil erosion. habitat destructions. plant and animal domestication. D. All the above

12. Which of the following does not describe an effect of the Industrial Revolution? A. Fossil fuels became important energy sources. The amount of land and labor needed to produce food increased. Artificial substances replaced some animal and plant products. D. Machines replaced human muscle and animal power.

13. Pollutants that are not broken down by natural processes area. nonrenewable. nondegradable. biodegradable. D. Both (a) and (c)

14. All the following are renewable resources except. energy from the sun b. minerals. c. crops. d. fresh water.

15. In his essay, “The Tragedy of the Commons,” one factor that Garrett Hardin failed to consider was a. the destruction of natural resources.b. human self-interest.c. the social nature of humans.d. None of the above

16. The term used to describe the productive area of Earth needed to support the lifestyle of one-person in a country is called. supply and demand. the ecological footprints. the consumption crisis. D. sustainability.

Short Answer

17. Give an example of how environmental science might involve geology and chemistry.

18. Can biodegradable pollutants cause environmental problems? Explain your answer.

19. In what ways are today’s environmental resources like the commons described in the essay “The Tragedy of the Commons”?

20. How could environmental concerns conflict with your desire to improve your standard of living?

21. If you were evaluating the claims made on a Website that discusses environmental issues, what types of information would you look for?

22. Can species be considered natural resources? Explain your answer