

Summer Assignment Questions 2019-2020

Complete all the questions below and be sure to answer the question fully. Do not copy and paste. Answer in your own words.

1. What is environmental science?
2. Why is environmental science interdisciplinary?
3. Differentiate between each of these land designations during the Progressive Era:
 - a. National Parks
 - b. National Forest
 - c. National Wildlife Refuges
4. Define environmental ethics
 - a. Anthropocentrism
 - b. Ecocentrism
5. Describe each of these designations of natural resources made during the Progressive Era:
 - a. Inexhaustible resources
 - b. Renewable resources
 - c. Nonrenewable resources
 - d. Recyclable resources
6. What is the difference between normal waste and hazardous waste?
7. Briefly define the role of each of these laws passed during the 1970s:
 - a. Safe Drinking Water Act-
 - b. Clean Water Act
 - c. Clean Air Act
 - d. Resource Conservation and Recovery Act
 - e. Endangered Species Act
 - f. Environmental Protection Agency
8. What is gross domestic product (GDP)?
9. What is developing country?
10. What does life expectancy measure?
11. What does ecological footprint measure?
12. Define each term:
 - a. Matter
 - b. Mass
 - c. Volume
 - d. Energy
13. What is an atom?
14. Define each part of an atom:
 - a. Protons
 - b. Neutrons
 - c. Electrons

15. What is a molecule?
16. What is photosynthesis?
17. What is the equation of photosynthesis?
18. What is cellular respiration?
19. What is a producer, consumer and decomposer?
20. Define potential energy and provide an example.
21. Define kinetic energy and provide an example.
22. What are the first two Laws of Thermodynamics?
23. What does a food chain diagram show?
24. Create a food chain and label each level.
25. What is the role of biogeochemical cycles?