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**Environmental Science - Final Exam - Study Guide**

**Design**: 50 Multiple Choice Questions

**Directions:** Answering the content questions is **mandatory**. Compiling a master vocabulary list with definitions of the following words may be completed for extra credit (exemption of an assignment that has a zero). **All** of these vocabulary words are represented on the final exam and all of them were on your past vocabulary sheets. Be sure you know these vocabulary words!

**Vocabulary Included on the Final Exam**: Renewable Resource, Smog, Fossil Fuel, Sustainability, Biodiversity, Control Group, Hypothesis, Tectonic Plates, Magma, Biosphere, Hydrosphere, Atmosphere, Coevolution, Biotic Factor, Protists, Fungus, Primary Succession, Tropical Rain Forest, Permafrost, Temperate Deciduous Forest, Ecosystem, Benthic Zone, Littoral Zone, Nekton, Benthos, Estuary, Photosynthesis, Population, Symbiosis, Mutualism, Immigration, Emigration, Fertility Rates, Endangered Species, Aquifer, Groundwater, Scrubbers, Ozone, Greenhouse Effect, Energy Efficiency, Environmental Science, Surface Water

**Content Questions:**

1. Explain the difference between a renewable and nonrenewable resource.
2. Name 5 fields of study that are included environmental science.
3. Compare and contrast the population growth for developed and developing countries.
4. What are the steps of the experimental method?
5. What are the values included in the decision making process.
6. How do mountains form?
7. Name two organisms that produce oxygen.
8. What do you call the molten rock in the upper mantle?
9. Where is the majority of fresh water located?
10. What is the difference between fresh water and ocean water?
11. What is the ultimate source of energy for ecosystems?
12. Give an example of coevolution.
13. Explain pesticide resistance.
14. Give three examples of biotic factors.
15. Which kingdoms contain producers?
16. How does primary and secondary succession differ?
17. How does a food web differ from a food chain?
18. What are some of the threats to ocean ecosystems?
19. What do scrubbers do?
20. What causes acid precipitation?
21. Explain the greenhouse effect.
22. What could be the results of global warming?
23. What are the main differences between nekton and benthos?
24. Describe estuaries.
25. What are two types of freshwater ecosystems?
26. Explain photosynthesis.
27. Give an example of a population.
28. Explain the concept of replacement level fertility.
29. What does a demographer’s job entail?
30. At which point in human history, was population growth the most rapid?
31. Which continent is currently having the largest population growth?
32. What are some strategies to slow population growth?
33. What are endangered species? What is being done to protect them?
34. What role does chlorine play in treating water?
35. Why is it difficult to clean groundwater?
36. What would a sustainable world be like?
37. What is biodiversity?
38. What causes the air closest to Earth to be denser?
39. Which “sphere” do all organisms obtain the energy they need?
40. List and describe the 2 zones found in a lake.
41. What are the dangers of drinking improperly treated water?
42. Where is Earth’s surface water located?
43. Where does renewable energy come from?
44. Describe the tropical rain forest, temperate deciduous forest, and tundra.

Tropical Rain Forest:

Temperate Deciduous Forest:

Tundra: