Population Change and Human Affects Test Study Guide

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. If a species is introduced by humans into a new environment to control the population of another species, but the introduced species has no natural predators, what will probably happen to its population? (be specific)
2. Draw a rough graph of what logistic growth looks like.
3. Draw a rough graph of what exponential growth looks like.
4. Describe the death and birthrates in a country in the first stage of demographic transition.

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|  | 1. Describe the death and birthrates in a country in the second stage of demographic transition.
2. Describe the death and birthrates in a country in the third stage of demographic transition.
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|  | 1. Describe the death and birthrates in a country in the fourth stage of demographic transition.
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1. Name two countries in which the human population is growing exponentially.
2. Name two countries in which the human population is growing logistically.
3. What happens when the population grows larger than the carrying capacity of the environment?
4. What is primary succession?
5. What is secondary succession?
6. Write out the equation for the environmental impact model (not just the abbreviation)
7. List 3 different career opportunities within Environmental Science.

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1. List two limiting factors found in terrestrial ecosystems, other than temperature and shelter.
2. List two limiting factors found in aquatic ecosystems, other than temperature and dissolved oxygen.
3. What is the formula for growth of a population?
4. What are the three kinds of natural capital?
5. What percent of the world population uses what percent of the world’s resources, while creating 75% of the world’s pollution?
6. What is sustainable yield?
7. What is an ecological deficit?
8. List 2 examples of renewable resources.
9. List 2 examples of nonrenewable resources.
10. What are the three key principles of sustainability?
11. What is a r-selected species?
12. What is a k-selected species?