

Intro to Environmental Science 120  
Review #1 - Unit 1 Test (2013)

Name - \_\_\_\_\_ Date - \_\_\_\_\_

1. Define environmental science.
2. List ten environmental issues found in “The Lorax”. Be able to explain each.
3. Provide three ecosystem services.
4. What is meant by the “Tragedy of the Commons”?
5. What overall message did you get from watching the “Human Footprint” segments?
6. What is ethical consumerism?
- 7 Name and explain three viewpoints discussed in class.
8. What are four variables that affect population size?
9. All terms on both quizzes
10. What is biotic potential?
11. There are limits to a population’s growth. List four limiting factors.
12. What is carrying capacity?
14. a) What are census?  
c) If 2025 organisms are found in an area of 25 acres, what is the population density of the area?  
d) A biologist originally caught and marked 40 butterflies in Wilson Park. In a second trapping, 32 butterflies were trapped. If 20 of the 32 butterflies were marked, what did the scientist estimate population of butterflies to be?
15. a) What are two processes that lead to evolution?  
b) Natural selection was a theory determined by whom?  
c) Be able to define: genes, gene pool, mutation, and genetic variability.  
d) What is an adaptation?  
e) Name three types of adaptations and provide one example of each.  
f) Define speciation and extinction.