

EXAM I, 24 September 2003

Please put your NAME on the backside of the last page.

Exam is worth 75 points. After you turn in your individual copy, you will work on a new copy of the exam outside in groups of ~four. The score for your group exam will earn you additional points on your individual exam. (See syllabus for details.)

Very Short Answer (a few words at most, 23 points)

1. Who wrote Silent Spring (1962)? [2 points]
2. What was the first National Park established in the U.S. in 1872? [2 points]
3. Provide an example of a traditionally non-economic utilitarian value of biodiversity. [2 points]
4. What theory, put forth in the early 1960s by MacArthur and Wilson, helped bring increased rigor and testable hypotheses to Conservation Biology? [2 points]
5. What is the important and powerful requirement inherent in NEPA (1970, National Environmental Policy Act)? [2 points]
6. The Convention on Global Warming and the Convention on Biodiversity both arose from what 1992 event? [2 points]
7. What is the Kyoto Protocol (1997) attempting to address? [2 points]
8. List the four "spikes" altering our world at a global scale [4 points]
9. The endangered species act (ESA, 1973 and amendments) generally prohibits the "taking" of endangered species. In what area of implementation of the ESA is the "God Squad" allowed to evaluate the economic costs/losses/hardship of preserving a given species? [1.5 points, 1 best answer]
 - a) only when evaluating threatened species
 - b) only when evaluating endangered species
 - c) deciding between threatened and endangered status
 - d) critical habitat designation
 - e) determining which cases are heard by the courts
10. What is currently the greatest threat to biodiversity? [1.5 points, 1 best answer]
 - a) habitat loss
 - b) hunting and trapping
 - c) exotic species
 - d) spread of disease and pathogens
 - e) asteroids
11. Earth Day (22 April 1970) is often credited with initiating the modern environmental movement in the U.S. and with instigating the creation of the Environmental Protection Agency. Other environmentally-minded legislation passed around the same time includes the clean _____ act, the clean _____ act, and the endangered species act. [2 points]

