

Name: \_\_\_\_\_ Pledge: \_\_\_\_\_

## Environmental Studies 201 Test #2

**Point Total:** 100 pts possible

- 8 pts 1. What were the main crops cultivated by the Rapa Nui, the inhabitants of Easter Island?
- 8 pts 2. (a) List the items—as many as you can—that Garrett Hardin named as ‘public commons’ in his two essays, “The Tragedy of the Commons” and “Lifeboat Ethics.”
- 8 pts (b) What are the important characteristics of a lifeboat that, according to Garrett Hardin, describe the situation on planet Earth?

6 pts 3. (a) What does the phrase *sustainable agriculture* mean?

12 pts (b) According to Wes Jackson, what are the best ways to achieve sustainable agriculture?

12 pts 4. What do you think Julian Simon's views were on the concept of 'sustainable development?' Elaborate in some detail.

10 pts 5. The two most common commercial GM crops are Bt crops and herbicide resistant crops. Their supporters claim that widespread use of these crops will result in a decrease of overall pesticide use. What is their reasoning?

12 pts 6. Paul Ehrlich said that there are 'birth rate' and 'death rate' solutions to the problem of population growth. Explain in some detail what he meant.

10 pts 7. What is the difference between *economically* and *technically* recoverable oil?

14 pts 8. According to Lappè and Collins, why hasn't the Green Revolution ended world hunger? Explain in a little detail.