Name: ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯   Pledge (sign): ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯

Envr 201 Test #1

Point Total: 100 pts possible

6 pts   1. Pinchot claimed that 'conservation stands for the prevention of waste.' What does he mean by 'waste?

6 pts   2. What is meant by 'biological diversity?'

6 pts   3. (a) What did Leopold mean when he said that we must learn to 'think like a mountain?'

6 pts   (b) Would Leopold say that his Land Ethic prohibits killing wildlife? Explain.

8 pts   4. Vandermeer and Perfecto maintain that small-scale farms are *not* a true cause of rain forest destruction. Explain their reasoning.

8 pts   5. Explain the economic concept of *substitutability*. What are the consequences of this concept when applied to the environment?

8 pts   6. What is the distinction Sagoff makes between *political* and *economic* decisions? What point is he making by emphasizing this distinction?

8 pts 7. What is *utilitarianism*? In your answer, distinguish between weak and strong utilitarianism.

8. Many environmental controversies can be framed as the competition between two or more incompatible uses of public land.

8 pts (a) What are some of the uses to which public lands can be put? List six and circle the two most common uses.

4 pts (b) In each of the following controversies, state the two competing uses that formed the heart of the controversy.

  i. Hetch Hetchy:

  ii. Mineral King:

  iii. Tellico Dam:

  iv. ANWR:

8 pts (c) Choose ONE of the previous controversies and describe it in a little detail, including the final outcome. Also state the main federal agency (or agencies) involved in the dispute.

12 pts 9. Ecologists often assert that biodiversity loss negatively impacts ecosystem *functioning* and *stability*. What is meant by this assertion? In your answer, be sure to distinguish between the two effects.

12 pts 10. White argued that Christianity is largely to blame for our 'ecological crisis.' According to White, what were the two main effects of Christianity on human society, and how did these effects lead to greater environmental degradation?