

Name: _____ Pledge (sign): _____

Env Studies 201 Test #1

Point Total: 100 pts possible. Although supporting quotes are permissible, with proper attribution, the answers to the following questions should be largely *in your own words*.

8 pts 1. What is the 'Land Ethic?'

2. The legal definition of species in the Endangered Species Act (ESA) extends the usual biological definition of the term.

8 pts (a) What *is* the biological definition of species?

8 pts (b) What is the definition of the term in the ESA?

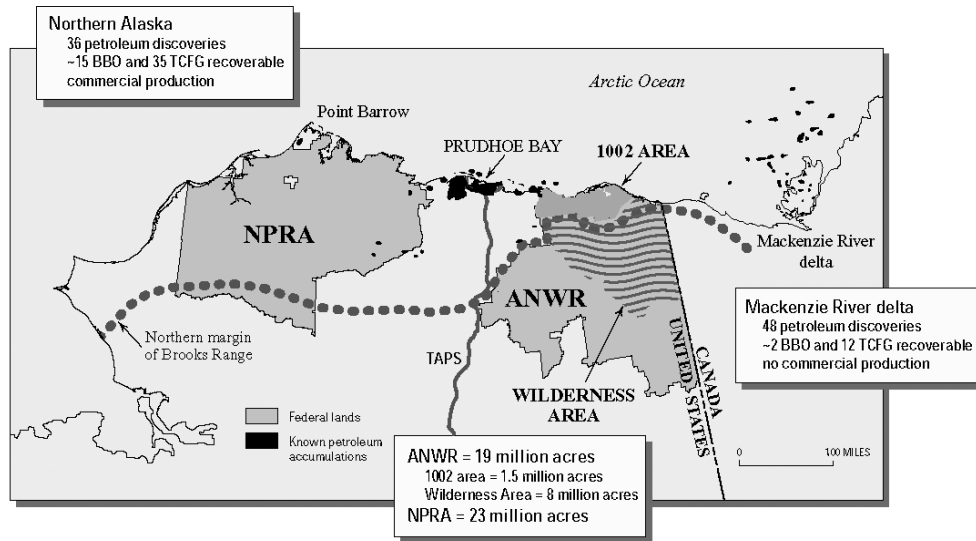
8 pts (c) Why the difference?

8 pts 3. (a) What factors determine/limit species diversity? List as many as you can.

8 pts (b) Define *producers*, *consumers*, and *decomposers*, and describe their role in a functioning ecosystem.

8 pts 4. William Baxter states that we should strive for 'some optimal state of pollution' rather than an environment completely devoid of harmful pollutants. Similar arguments could apply to other forms of environmental degradation: an optimal level of urban sprawl, for example. Why does Baxter say that this 'optimal' level of environmental degradation is not zero?

5. The following is a map of the Arctic National Wildlife Refuge (ANWR).



8 pts (a) ANWR is a *wildlife refuge*. What does that mean, exactly? And which agency is responsible for managing ANWR?

8 pts (b) A portion of ANWR is designated as a *wilderness area*. How is that different from a wildlife refuge?

8 pts (c) What is the '1002 area' of ANWR?

10 pts 6. Summarize Pinchot's vision for natural resource conservation.

10 pts 7. How might economists such as A. Myrick Freeman or Gretchen Daily have resolved the Hetch Hetchy debate?