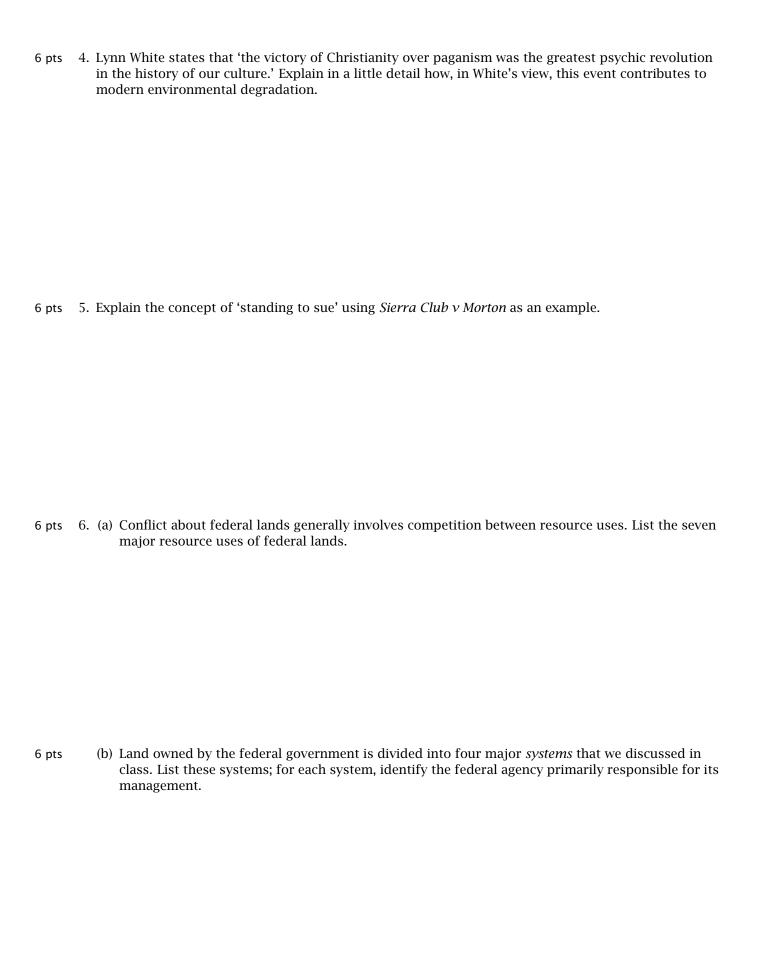
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Env Studies 201 Test #1

Point Total: 100 pts possible

- 5 pts 1. True or false: the Hetch Hetchy valley is part of the Yosemite National Park.
- 5 pts 2. How long does it take global biodiversity to 'rebound' from a mass extinction event? Circle one:
 - (a) 1-2 decades
 - (b) 1-2 human generations
 - (c) Several centuries
 - (d) Several millenia
 - (e) Millions of years
- 6 pts 3. (a) What is an ecosystem?

8 pts (b) What are *ecosystem services*? In your answer, list five distinct ecosystem services and briefly describe each.



12 pts	7. Describe <i>dependency theory</i> in some detail and explain how—according to Vandermeer and Perfecto—it results in tropical rain forest destruction.
12 pts	8. It has been proposed that a loss in diversity impairs ecosystem functioning. What are the main hypotheses proposed to explain this impact? Briefly explain each hypothesis.

6 pts	9.	(a)	What exactly is optimized when a <i>Pareto optimum</i> is achieved?
16 pts		(b)	Explain <i>in detail</i> (use the back of this sheet if you like) how cost-benefit analysis (CBA), coupled with the potential compensation criterion, leads to a Pareto optimum when applied to environmental problems.
6 pts		(c)	List the main criticisms of depending too heavily on CBA to guide environmental policy