| | Oct 3, 20 |
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| Name: | Pledge (sign): |
| | Envr 201 Test #1 |
| Point Total: 100 pts poss | ible |
| 1. How long does it take glo | bal biodiversity to 'rebound' from a mass extinction event? Circle one: |
| (a) 1-2 decades(b) 1-2 human generation(c) Several centuries(d) Several millenia(e) Millions of years | ns |
| 2. Define the following term | s: |
| (a) ecosystem | |
| (b) keystone species | |
| (c) ecosystem functionin | g |

(d) ecosystem stability

4 pts

20 pts



| 8 pts | 6. | Distinguish between <i>multiple use</i> and <i>dominant use</i> criteria for the management of public land. Give examples of each. |
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| 8 pts | 7. | Vandermeer and Perfecto maintain that small-scale farms are <i>not</i> a true cause of rain forest destruction. Explain their reasoning. |
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| | 8. | Gregg Easterbrook has trouble with the fact that the spotted owls are protected by the Endangered |
| 6 pts | 0. | Species Act despite the fact that they are actually a subspecies, not a true species. (a) What is the difference? |
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| 8 pts | | (b) What is the main biological justification for protecting subspecies? |
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| 6 pts | 9. | Wh | at is the importance of an 'umbrella' or 'indicator' species to preservationists? |
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| 6 pts | 10. | (a) | What exactly is optimized when a <i>Pareto optimum</i> is achieved? |
| 8 pts | | (b) | Explain how cost-benefit analysis (CBA), coupled with the <i>potential compensation criterion</i> , leads to a Pareto optimum. |
| 6 pts | | (c) | List three major criticisms of depending too heavily on CBA to guide environmental policy, and briefly describe each item. |