

2005 ENVIROTHON EXAM KEY

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| <p>1. Eastern Cottontail
Snowshoe Hare
White-tailed Jackrabbit</p> | <p>primary consumers and so on...
Decomposers help recycle the energy</p> |
| <p>2. F. Patagium</p> | <p>17. A primary producer is an autotrophic organism that converts organic materials from inorganic materials, effectively introducing new organic material into the environment that the primary consumers can feed upon and so forth. Essentially - it is anything that converts sunlight into food
Plants are a good example of a primary producer.</p> |
| <p>3. A. Coprophagy</p> | |
| <p>4. C. Precocial</p> | |
| <p>5. B. Lek</p> | |
| <p>6. D. Poult</p> | |
| <p>7. H. Altricial</p> | |
| <p>8. E. Diastema</p> | <p>18. Decomposers</p> |
| <p>9. G. Diurnal</p> | <p>19. b. 10%</p> |
| <p>10. B. Pine Martin</p> | <p>20. a. Bioaccumulation</p> |
| <p>11. B. Have electroreceptors that detect prey in water</p> | <p>21. Solid Line = Hare
Dotted Line = Lynx</p> |
| <p>12. B. Migrated here from Minnesota in 1978.</p> | <p>22. As the hare populations decrease due to loss of food supplies and Lynx predation, the Lynx food supply decreases. With the lack of available food the Lynx population then decreases. The lack of predation from the Lynx allows the hare population to increase, with the Lynx population then increasing from the greater availability of food.</p> |
| <p>13. a.) Fences
b.) Relocation
c.) Birth control</p> | |
| <p>14.) a.) Threatened
b.) None of the above
c.) Endangered
d.) Threatened
e.) Threatened</p> | |
| <p>15. Aldo Leopold</p> | <p>23. Color Mimicking
Poisons
Camouflage
Warning coloration
Bitter tasting</p> |
| <p>16. Sunlight converted to energy from producers

Primary consumers eat the producers

Secondary consumers each the</p> | |

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- 24.) One that plays a major role in stabilizing several populations of species. They prey on various other important consumers, without this species the composition of the ecosystem changes drastically with lower level consumers now competing and out competing each other. Species diversity can be lost.
- 25.) Available food
Available habitat
Weather
Competition
- 26.) d. Gray fox

Tie breaker

- 27.) c. Bats