

Ch 5 Overview: *Biological Diversity & Conservation*

Section 5.1 – *Vanishing Species*

1. What does biodiversity mean? (½ pt)
2. How many tree species may exist on 1 hectare of tropical rain forest (½ pt) _____
1 hectare of temperate deciduous forest (½ pt) _____
3. Where does biodiversity increase? (½ pt)
4. What does the number of species on an island depend upon? (½ pt)
5. All living things are (½ pt) _____
6. What does biodiversity bring to an ecosystem? (½ pt) _____
7. How is biodiversity important to humans? List 2 ways (1 pt)
8. What does extinction mean? (½ pt)
9. What is background extinction? How often does it occur? (1 pt)
10. What is an endangered species? (½ pt)
11. What is a threatened species? (½ pt)
12. What makes every ecosystem unique? (½ pt)
13. What is the main threat to biodiversity? (½ pt) _____

14. What is habitat fragmentation? (½ pt)

15. List the 5 things that habitat fragmentation contributes to: (2½ pts)

16. How are fragmented areas similar to islands? (½ pt)

17. What are edge effects? (½ pt)

18. What is habitat degradation? (½ pt)

19. What is acid precipitation? (½ pt)

20. What is the ozone layer? (½ pt)

21. What type of pollutants can affect aquatic life? (½ pt)

22. What are algal blooms? (½ pt) _____

23. How do algal blooms affect the aquatic system? (½ pt)

24. How much trash does the average American produce daily? (½ pt) _____

Yearly? (½ pt) _____

25. Other than trash, what else can pollute the land? (½ pt)

26. What did DDT do to eagles? (½ pt)

27. What is an exotic species? (½ pt)

28. What is so dangerous about introducing exotic species into an ecosystem? (½ pt)

Section 5.2 – Conservation of Biodiversity

29. What is conservation biology? (½ pt)

30. What are natural resources and list 5: (3 pts)

31. What is one way that habitats have been preserved? (½ pt)

32. What are habitat corridors? (½ pt)

33. What is the concept of sustainable use? (½ pt)

34. What are reintroduction programs? (½ pt)

35. What is captivity? How does this aid in preserving species? (1 pt)

36. How can plants be protected other than allowing them to exist in a natural ecosystem? (½ pt)