

Across

6. competition between members of different species

9. one benefits the other is unharmed

10. ecological role

11. decomposers convert waste into ammonia

13. study of living organisms and how they interact with one another

15. regarding humans as most significant species

16. water, air and soil; where life is found

19. feeding level

20. when the response to a stimulus increases the original stimulus

23. competition between members of the same species

31. 1st law of thermodynamics

32. process by which nitrites and nitrates are produced by bacteria in the soil

33. species that provides early warning of damage to community

36. annual market value of goods and services

38. compounds that lack carbon and hydrogen atoms

39. a way of measuring how much impact a person or community has on earth

40. prey species that uses irritations (foul smell, poison, awful taste, stinging)

41. upper limit for logistic growth

Down

1. a community interacting with one another and the abiotic factors in their environment

2. % of usable chemical energy transferred as biomass

3. conversion of nitrates into nitrogen gas

4. feed on waste of dead animals

5. nitrogen, phosphorous, hydrologic & carbon

7. the depletion of shared resources by people acting in individual interests

8. species that plays a vital role

11. inheritable traits that make an organism more likely to survive

12. occurs when the indiciduals in a population reproduce at a constant rate

14. the rate at which biomass accumulates in an ecosystem

17. method of determining age of a fossil

18. anaerobic respiration

21. natural selection by biological mechanism

22. a system in which matter can enter from or escape to surroundings

24. air, water & soil

25. ability of earth and organisms to survive and adapt

26. growth typically referred to as r-selected or k-selected

27. solid part of earth

28. restoration that can help return a damaged habitat to a state close to its original state

29. C6H12O6+6O2-->6CO2+6H2O

30. one component of a system changes and triggers a series of changes

34. species that are first introduced into an ecosystem

35. areas that are rich in highly endangered endemic species

37. producers