Ecology Assignment 4 – **Test your Knowledge so far!**

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Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_

**Instructions: Circle the right answer to the multiple-choice questions. (Total: 20 Marks)**

1. The study of the interrelationships of living organisms and their environment is:
2. geography
3. habitat
4. geology
5. ecology
6. An example of a parasite-host relationship is:
7. a fly eating food on a table
8. a vine using a larger tree for support
9. a tick living on a dog
10. Examples of abiotic factors in the environment are:
11. number of parasites and deer
12. temperature and amount of water
13. amount of food and light
14. A group of organisms of the same species that interbreed and live in the same place.
15. community
16. population
17. organism
18. species
19. Organisms that use energy from the sun to make their own food are:
20. producers
21. consumers
22. carnivores
23. omnivores
24. Animals that consume plants for their food energy are:
25. producers
26. carnivores
27. herbivores
28. omnivores
29. Animals such as foxes that consume other animals for their food energy:
30. producers
31. carnivores
32. herbivores
33. omnivores
34. Animals such as bears that consume both plants and animals for energy:
35. producers
36. carnivores
37. herbivores
38. omnivores
39. A caterpillar eats a leaf, and then a bird eats the caterpillar. In this interaction, the bird is a:
40. producers
41. herbivores
42. primary consumer
43. secondary consumer
44. Which of the following factors in an ecosystem is biotic?
45. insects
46. soil
47. water
48. sunlight
49. The leopard frog lives in a pond. The pond is the frog's\_\_\_\_\_\_\_\_\_?
50. population
51. habitat
52. ecosystem
53. density
54. The pond in which the leopard frogs live is at maximum numbers, it is...?
55. over populated
56. habitat overload
57. at carrying capacity
58. at maximum density
59. A scavenger...
60. eats only plants
61. eats dead plants or dead animals
62. breaks down plants and animals into organic compounds (nutrients)
63. none of the above
64. A decomposer...
65. eats only plants
66. eats dead plants or dead animals
67. breaks down plants and animals into organic compounds (nutrients)
68. none of the above
69. A Turkey Vulture...
70. eats only plants
71. eats dead plants or dead animals
72. breaks down plants and animals into organic compounds (nutrients)

Questions 16-20

1. Food Pyramid (energy pyramid)
2. Food Chain
3. Food Web
4. population
5. Density
6. eats only dead animals
7. \_\_\_\_ A number of individuals in a given area or volume.
8. \_\_\_\_ A linear (straight line) network of animals in the order of what they eat.
9. \_\_\_\_ Interconnected network of food chains.
10. \_\_\_\_ A diagram that shows trophic levels of organisms with different species at each level.
11. \_\_\_\_ All the individuals of one species that occupy a certain geographical area during a certain time.