

Biology

Name:

Worksheet over pp 32-40

Date: \_\_\_\_\_ Hour: \_\_\_\_\_

1. What does every organism depend on upon, regardless of where it lives? \_\_\_\_\_

\_\_\_\_\_

2. Define ecology:

\_\_\_\_\_

\_\_\_\_\_

3. When was the word ecology first used?

\_\_\_\_\_

4. What is longitudinal analysis?

\_\_\_\_\_

\_\_\_\_\_

5. What are two advantages of a model in ecology?

\_\_\_\_\_

\_\_\_\_\_

6. Summarize the milestones in ecology occurring at the following times:

a. 1905:

\_\_\_\_\_

b. 1962:

\_\_\_\_\_

c. 1966:

\_\_\_\_\_

7. What is the biosphere?

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8. What are three examples listed that are included in the biosphere? \_\_\_\_\_

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9. What is chlorophyll?

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Why is it a good indication of where living organisms are located?

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10. What are four biotic factors in the environment of a salmon?

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11. What are two abiotic factors in the environment of a salmon?

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12. What might happen in an organism moved to an environment with different abiotic factors? \_\_\_\_\_

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13. List the levels of organization in the biosphere:

- |          |          |
|----------|----------|
| a. _____ | d. _____ |
| _____    |          |
| b. _____ | e. _____ |
| _____    |          |

c. \_\_\_\_\_  
\_\_\_\_\_

f.

14. What occurs to a population when available resources are low? \_\_\_\_\_

15. Define ecosystem:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

16. Describe the difference between a habitat and a niche:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

17. When is competition occurring in an ecosystem?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

18. What is the difference between a predator and prey?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

19. Define commensalism:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Give one example:

\_\_\_\_\_

20. Is it possible for a parasite to live when a host dies? Explain:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

21. Describe brood parasitism in cowbirds:

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