

BIOLOGY  
QUIZ #6 REVIEW

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ HOUR: \_\_\_\_\_

1. Define ecology: \_\_\_\_\_

\_\_\_\_\_

2. What are three biotic factors in your own environment? \_\_\_\_\_

\_\_\_\_\_

3. What are three abiotic factors in your own environment? \_\_\_\_\_

\_\_\_\_\_

4. What are the six levels of organization? List *and define them* in order from the smallest to the largest (the largest is the biosphere).

a. Name:

Define:

b. Name:

Define:

c. Name:

Define:

d. Name:

Define:

e. Name:

Define:

f. Name:

Define:

5. What is a habitat? Define it and give an example of an organism and its habitat.

a. Define:

b. Example:

6. What is competition? Define it and give an example.
- Define:
  - Example:
7. What is predation? Define it and give an example of a predator/prey relationship. Be sure to tell which organism is predator or prey.
- Define:
  - Example:
8. Define symbiosis: \_\_\_\_\_
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9. Give an example of each type of relationship, describing whether each organism is helped, harmed, or neither.

Type of symbiosis:	Mutualism	Commensalism	Parasitism
Example:			
One organism is ___? (hurt, helped, or neither)			
The other one is ___? (hurt, helped, or neither)			

10. How does an autotroph get its energy? \_\_\_\_\_
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11. Circle one: An autotroph is also known as a: producer / consumer.
12. How does a heterotroph get its energy? \_\_\_\_\_
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13. Circle one: A heterotroph is also known as a: producer / consumer.
14. What is the difference between a primary and secondary consumer? \_\_\_\_\_
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15. Define *and give an example of*:
- Herbivore
  - Carnivore

c. Omnivore

d. Detritivore

16. What is the difference between a food chain and a food web? \_\_\_\_\_

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17. How much energy is lost between each trophic level in a food chain or food web? \_\_\_\_\_

18. Be creative! Draw (or describe) organisms in a food chain with at least 4 organisms in the table below. Label each organism as requested.

Drawing or name of organism:				
Is it an <b>autotroph</b> or <b>heterotroph</b> ?				
Is it a <b>producer</b> or <b>consumer</b> ?				
Is each producer or consumer at the <b>primary, secondary, tertiary, or quaternary</b> level?				
Is it an <b>herbivore, carnivore, omnivore, or detritivore</b> ?				

19. Draw an energy pyramid based on the food chain you drew above. Make up a number for the amount of energy units at the lowest trophic level, then figure out how much energy will be at each higher trophic level. Write the energy numbers next to each trophic level of your pyramid.