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

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

Score:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Biology Test – Module #10

Matching: Match each term with the correct definition. (2 pts.)

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| 1. \_\_\_\_ ecology | 1. The process by which certain gases (principally water vapor, carbon dioxide, and methane) trap heat that would otherwise escape the earth and radiate into space |
| 1. \_\_\_\_ population | 1. A diagram that shows the biomass of organisms at each trophic level |
| 1. \_\_\_\_ community | 1. A group of ecosystems classified by climate and plant life |
| 1. \_\_\_\_ ecosystem | 1. The study of the interactions between living and nonliving things |
| 1. \_\_\_\_ biome | 1. Evaporation of water from the leaves of a plant |
| 1. \_\_\_\_ primary consumer | 1. A group of populations living and interacting in the same area |
| 1. \_\_\_\_ secondary consumer | 1. An organism that eats primary consumers |
| 1. \_\_\_\_ tertiary consumer | 1. A group of interbreeding organisms that coexist together |
| 1. \_\_\_\_ ecological pyramid | 1. An ecosystem where all water runoff drains into a single body of water |
| 1. \_\_\_\_ biomass | 1. An organism that eats producers |
| 1. \_\_\_\_ transpiration | 1. An organism that eats secondary consumers |
| 1. \_\_\_\_ watershed | 1. An association of living organisms and their physical environment |
| 1. \_\_\_\_ greenhouse effect | 1. A measure of the total dry mass of organisms within a particular region |

True or false: Determine whether each statement is true or false.

1. \_\_\_ For an ecosystem to continue surviving, it must have a constant source of energy.
2. \_\_\_ The carrying capacity is limited by the available resources.
3. \_\_\_ An autotroph is not able to make its own food.
4. \_\_\_ A herbivore is a plant eating animal.
5. \_\_\_ Each consumer level of the food pyramid utilizes approximately 10% of its ingested nutrients to build new tissue.

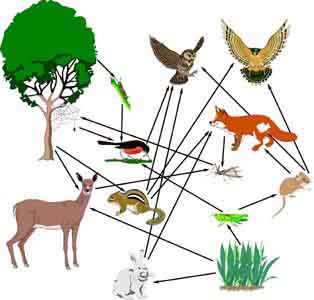
List: Complete each list

1. List two forms of symbiosis.
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Short answer: Give the best definition/explanation for each term.

1. Carrying capacity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Steady State \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Symbiosis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List each organism and its possible trophic levels on the following food web.



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| **Organism** | **Possible Trophic Levels** |
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