Science Test – Chapter 21 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

Matching: Match each term with the correct definition.

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| 1. \_\_\_\_ ecology | 1. An ecosystem that has large amounts of water in it; a lake, river, or swamp |
| 1. \_\_\_\_ daily rhythm | 1. All of the living organisms in an ecosystem |
| 1. \_\_\_\_ biotic community | 1. The exchange of carbon and oxygen between organisms carrying on photosynthesis and those carrying on cellular respiration |
| 1. \_\_\_\_ carbon-oxygen cycle | 1. A change that takes place every twenty-four hours in an ecosystem |
| 1. \_\_\_\_ dormant bud | 1. The tissues of a new stem and leaves or flower that are covered by scales during a period in which there is no growth |
| 1. \_\_\_\_ aquatic ecosystem | 1. The study of the relationships between organisms and their physical environment (habitat) |
| 1. \_\_\_\_ ecosystem | 1. A limited area in which living and nonliving things interact |
| 1. \_\_\_\_ population | 1. The place where an organism lives |
| 1. \_\_\_\_ hibernation | 1. A dormant state involving a slowing of life processes that permits certain animals to survive winter conditions |
| 1. \_\_\_\_ niche | 1. The role or function of an organism in its environment |
| 1. \_\_\_\_ habitat | 1. All nonliving factors in an ecosystem |
| 1. \_\_\_\_ physical environment | 1. All the members of one kind of organism living in a particular organism |
| 1. \_\_\_\_ rhythm | 1. A cyclic change that occurs in an ecosystem |
| 1. \_\_\_\_ succession | 1. A change that takes place annually in an ecosystem |
| 1. \_\_\_\_ water cycle | 1. A predictable series of changes that occur in biotic communities as they progress toward a climax community |
| 1. \_\_\_\_ seasonal rhythm | 1. A continuous movement of water from the atmosphere to the earth and back to the atmosphere |
| 1. \_\_\_\_ water table | 1. A reservoir of water beneath the surface of the earth |

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

1. \_\_\_\_ An ecosystem is made up of two major parts: the physical environment and the biotic community.
2. \_\_\_\_ The five physical environment factors are light, temperature, water, soil, and water.
3. \_\_\_\_ The area of an ecosystem where an organism lives is called its niche.
4. \_\_\_\_ An aquarium is an example of an artificial ecosystem.
5. \_\_\_\_ Snow is a form of precipitation.
6. \_\_\_\_ Our water wells tap into the reservoir of water known as the water table.
7. \_\_\_\_ A deer is an example of a consumer organism.
8. \_\_\_\_ Canadian geese migrating south is an example of a daily rhythm.

Illustrate the water cycle by drawing.

What is the difference between nocturnal and diurnal?

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What is the difference between a producer organism and a consumer organism?

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What is the difference between a summer resident organism and a permanent resident organism?

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Producer organisms carry on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a process that converts the energy of sunlight into the stored energy found in sugar.

Extra Credit:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a volcanic island near Java.