Name _____ Class____ Date_____

Change Over time Review Sheet

1. What is an adaptation? How does it help organisms survive in an ecosystem? Give an example of adaptations for a plant and an animal.

2. Describe the difference between structural and behavioral adaptation.

3. Describe the levels of organization in an ecosystem, beginning with organism. Draw a picture.

4. How do population sizes change? What are some things that can limit the size of a population in an area?

5. Describe natural selection in an ecosystem and how it affects the organisms in that ecosystem.

6. Describe biotic and abiotic factors in an ecosystem. Give examples of each.

7. Define the following terms: (These definitions will be used in questions in many different ways)

A. Biodiversity-
B. natural selection-
C. selective breeding-
D. population-
E. hibernation-
F. microhabitat-
G. variety-
H. physiology-
I. migration-
J. evolution-
K. sustainability-
L. Dichotomous key –
M. Birth rate -
N. Purebred

8. Describe how evolution can change progression of a population.
9. Study the steps on how to use a dichotomous key.
10. Describe how biodiversity can be an advantage or disadvantage to an ecosystem.
11. Make a list of the 7 major biomes and briefly describe the climate/conditions of each:

-Taiga:

-Tundra:

-Rainforest:

-Desert:

-Grasslands:

-Wetlands:

-Marine:

-Freshwater:

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12. _Describe natural selection in an ecosystem and how it affects the organisms in that ecosystem, and give an example in which natural selection has been beneficial to a species' survival.

13. An anaconda is a large, dark green snake living in the amazon rainforest in Brazil. It has a very flexible jaw, and it is able to climb as well as swim. Explain the purpose for each of these adaptations and how they are helpful to the survival of the species.

Prior Knowledge:

- Students should be able to read a grade and interpret information from it.
- Students should know the scientific method and be able to identify the steps given in a lab scenario.
- Students should be able to use information or terms from pervious units properly and apply to questions given on any test.