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

**Unit 2 Test Review Sheet**

The test contains 24 Multiple Choice, 6 Matching, and 2 Short Answer Questions –

In addition to this review sheet study:

* Food Web and Food Chain Notes
* Succession Notes
* Energy Cycle Notes
* Vocabulary

1. Draw and label an energy pyramid. Include organisms at each trophic level, show the change of energy at each level; show which level has the most energy, least energy, most organisms, and least organisms; identify which organisms are producers and consumers, which are herbivores, carnivores, and omnivores, which are autotrophs and heterotrophs.

2. Give 3 examples of biotic factors.

3. Give 3 examples of abiotic factors.

4. List the 6 kingdoms of life.

5. Explain the differences between herbivores, carnivores, and omnivores. Give examples of each.

6. What do bacteria, fungi, and plants have in common?

7. Give two examples of fungi? How does fungi obtain food?

8. Explain pesticide resistance using a corn crop as an example.

9. How is pesticide resistance similar to antibiotic resistance?

10. Explain the roles of bacteria and fungi as decomposers?

11. Summarize the carbon cycle.

12. Summarize the nitrogen cycle.

13. Give an example of secondary succession.

14. What organisms produce oxygen?

15. What would Earth be like without the greenhouse effect?

16. Explain the greenhouse effect.

17. Give an example of a pioneer species.

18. Which organisms can make their own food?

19. What is the role of lichens in primary succession?