Science 7 Interdependence of Life Study Guide

1. Name at least three characteristics of plants.
2. What is a cuticle and what is its purpose?
3. What is cellulose?
4. What is the difference between vascular and nonvascular plants? (Don’t just give the definitions for each, describe each type of plant)
5. What are the different types of seedless vascular plants?
6. What are the different types of seedless nonvascular plants?
7. What is a pioneer species? Why are they important? Give an example of a plant that is a pioneer species.
8. What are seedless plants used for?
9. What are the layers of the leaf?
10. Where does photosynthesis take place in the leaf?
11. What is the purpose of stems?
12. What is the purpose of roots?
13. Compare and contrast the three types of vascular tissue.
14. What is the difference between gymnosperms and angiosperms? Give an example of each.
15. What are seed plants used for?
16. What is the difference between biotic and abiotic factors? Give an example of each and explain how they are related.
17. How is the living world organized?
18. What are limiting factors? Give an example.
19. What are a habitat and a niche?
20. Define producer, consumer, and decomposer and give an example of each.
21. What is the difference between primary and secondary consumers?
22. What is the difference between carnivores, herbivores, and omnivores?
23. What is the difference between a food chain and a food web?
24. What type of organisms is found at the beginning of food chains?
25. What happens to the amount of energy as you move from level to level in an energy pyramid? Why?