1. Interdependence is an organism’s need to interact with its environment. List one way an organism interacts with the biotic factors in its environment and one way an organism interacts with the abiotic factors in its environment
2. Give two reasons why a human is part of its environment.
3. Can one organism affect other organisms in its environment? If so, give an example.
4. Give a good example of an organism. Why is this a good example of an organism?
5. Give a good example of a population. Why is this example a population?
6. Give a good example of a community. Why is this example a community?
7. Give a good example of an ecosystem. Why is this example an ecosystem?
8. Give a good example of a biosphere. Why is this example a biosphere?
9. Describe the habitat that you live in.
10. What are three biotic factors that affect a mouse’s environment?
11. What are three abiotic factors that affect a mouse’s environment?
12. Properly label and graph a tolerance curve for polar bears and temperature below.
13. Can organisms grow outside of their tolerance curve? How are they affected?
14. What is acclimation?
15. List two organisms that are conformers and two that are regulators.
16. Would an animal want to migrate from Rumson to Fair Haven for the winter? Why or why not?
17. Bears, grass, rabbits, oak trees and hedgehogs all have a strategy to survive the winter. What is it?
18. An organism can live in many places and can eat many things. We call it a \_\_\_\_\_\_\_\_\_\_\_\_\_.
19. An organism can live in specific places and can only use specific things for food. We call these \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
20. What is a lion’s niche?
21. What level of the biomass pyramid is the largest? Why?
22. What level of the biomass pyramid is the smallest? Why?
23. Some organisms have to eat other organisms to survive. What are these called?
24. Some organisms can produce their own food. What are these called?
25. What kind of relationship do a tick and a deer share?
26. What type of relationship do a fox and a rabbit share?
27. What type of relationship do a clown fish and a anemone share?
28. When organisms are so close that they cannot live without each other, we call this a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ relationship.
29. Two organisms that are both share the same niche are said to be in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ relationship.
30. If two organisms that share the shame niche are placed in the same ecosystem, what will happen?
31. How much of our water is fresh water? How much is salt water?
32. Which cycles are affected by humans? How are they affected by humans?
33. What cycle does not have a gas element?
34. Draw a water cycle
35. Draw a carbon cycle
36. Draw a nitrogen cycle.

Draw a phosphorous cycle.

VOCAB REVIEW

|  |  |
| --- | --- |
| Ecology |  |
| Ecologist |  |
| Interdependence |  |
| Organism |  |
| Population |  |
| Community |  |
| Ecosystem |  |
| Biosphere |  |
| Habitat |  |
| Biotic Factors |  |
| Abiotic Factors |  |
| Tolerance Curve |  |
| Acclimation |  |
| Niche |  |
| Conformer |  |
| Regulator |  |
| Unsuitable Conditions |  |
| Dormancy |  |
| Migration |  |
| Specialist |  |
| Generalist |  |
| Trophic |  |
| Heterotroph |  |
| Autotroph |  |
| Producer |  |
| Primary Consumer |  |
| Secondary Consumer |  |
| Detritus Feeder |  |
| Decomposer |  |
| Photosynthesis |  |
| Organic |  |
| Inorganic |  |
| Predator Prey Relationship |  |
| Parasite Host Relationship |  |
| Mutualistic Relationship |  |
| Symbiotic Relationship |  |
| Competitive Relationship |  |
| Food Web |  |
| Food Pyramid |  |
| Biogeochemical Cycles |  |