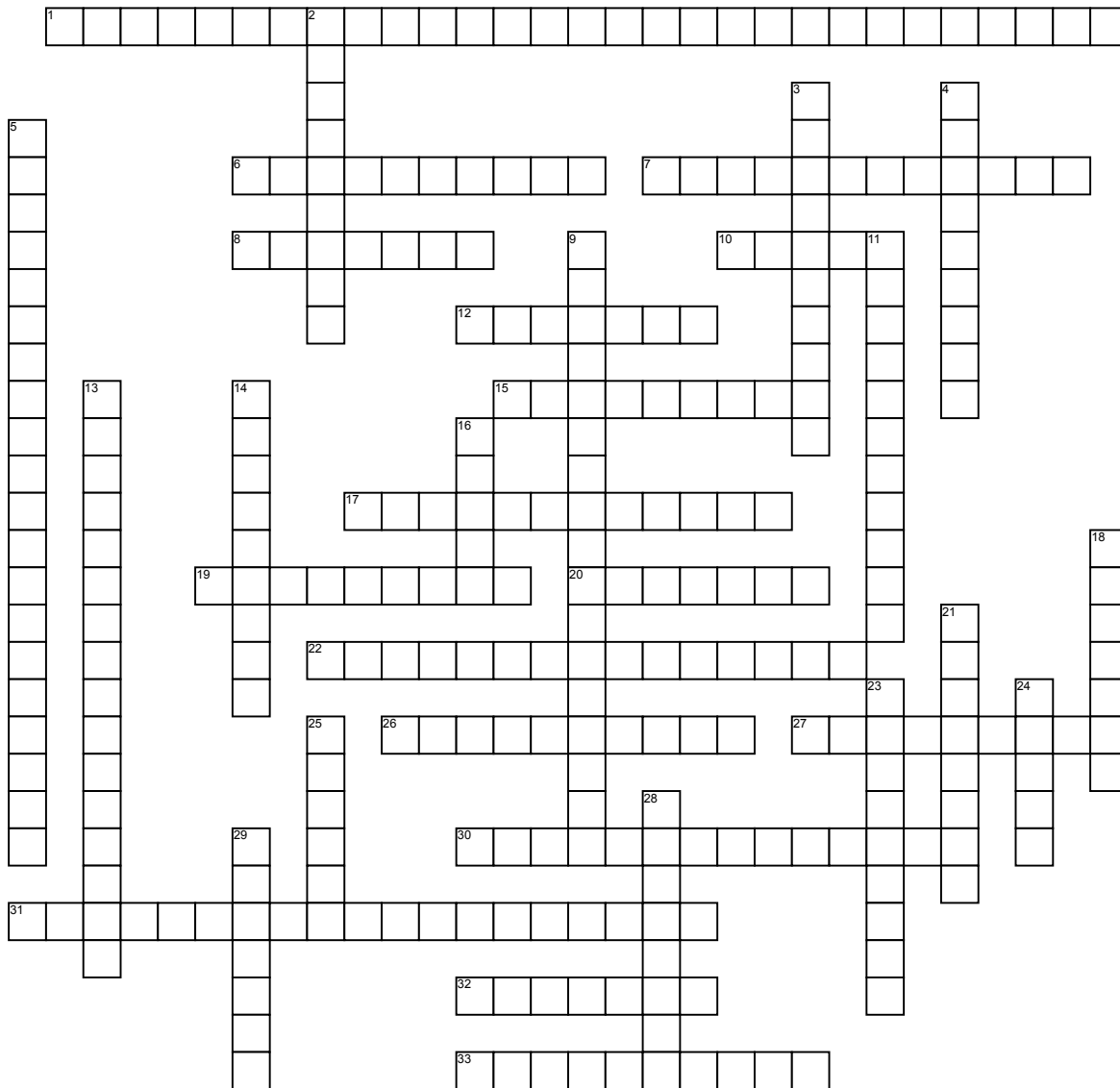


Name: _____ Date: _____ Period: _____

Chapter 4 vocabulary



Across

1. principle that states that no two species can occupy the same niche in the same habitat at the same time
6. layer of permanently frozen subsoil found in the tundra
7. environmental conditions can vary over small distances creating this
8. organisms that live attached to or near the bottom of lakes, streams, and oceans
10. biome with long cold winters and few months of warm weather, dominated by coniferous evergreens, also called boreal forests
12. area where an organism lives, including the biotic and abiotic factors that affect it
15. microscope organisms that live in aquatic environments includes both phytoplankton and zooplankton
17. symbiotic relationship in which one organism benefits and the other is neither helped or harmed
19. symbiotic in which both species benefit from the relationship
20. refers to average conditions over long periods
22. single species that is not usually abundant in a community yet exerts strong control on the structure of the community
26. layer in a rainforest found underneath the canopy formed by shorter trees and vines
27. interaction in which one organism captures and feeds on another organism

Down

30. first species to populate an area doing succession
31. type of succession that occurs in an area that was only partially destroyed by disturbances
32. kind of wetland formed where arrival meets the ocean
33. term used to refer to trees that produce seeds bearing cones and have thin leaves shaped like needles
2. ability of an organism to survive and reproduce under circumstances that differ from their optical conditions
3. sunlight region hearthe surface of water
4. relationship in which two species live close together
5. series of gradual changes that occur in a community following a disturbance
9. succession that occurs in an area in which no trace of a previous community is present
11. dark layer of the oceans below the photic zone where sunlight does not penetrate
13. process in which certain gases (carbon dioxide, methane, and water vapor) trap sunlight energy in earths atmosphere as heat
14. term used to refer to a type of tree that sheds its leaves during a particular season of the year
16. material formed by decaying leaves and other organic matter
18. ecosystem in which water either covers the soil or is present at or hear the surface for at least part of the year

21. symbiotic relationship in which one organism lives on or inside another organism and it harms
23. interaction in which one animal feeds on its producers
24. full range of physical and biological conditions in which an organism lives and the way in which an organism uses those conditions
25. dense covering formed by the leafy tops of tall rainforest trees
28. any necessity of life, such as water, nutrients, light, food or space
29. the day to day condition of earths atmosphere