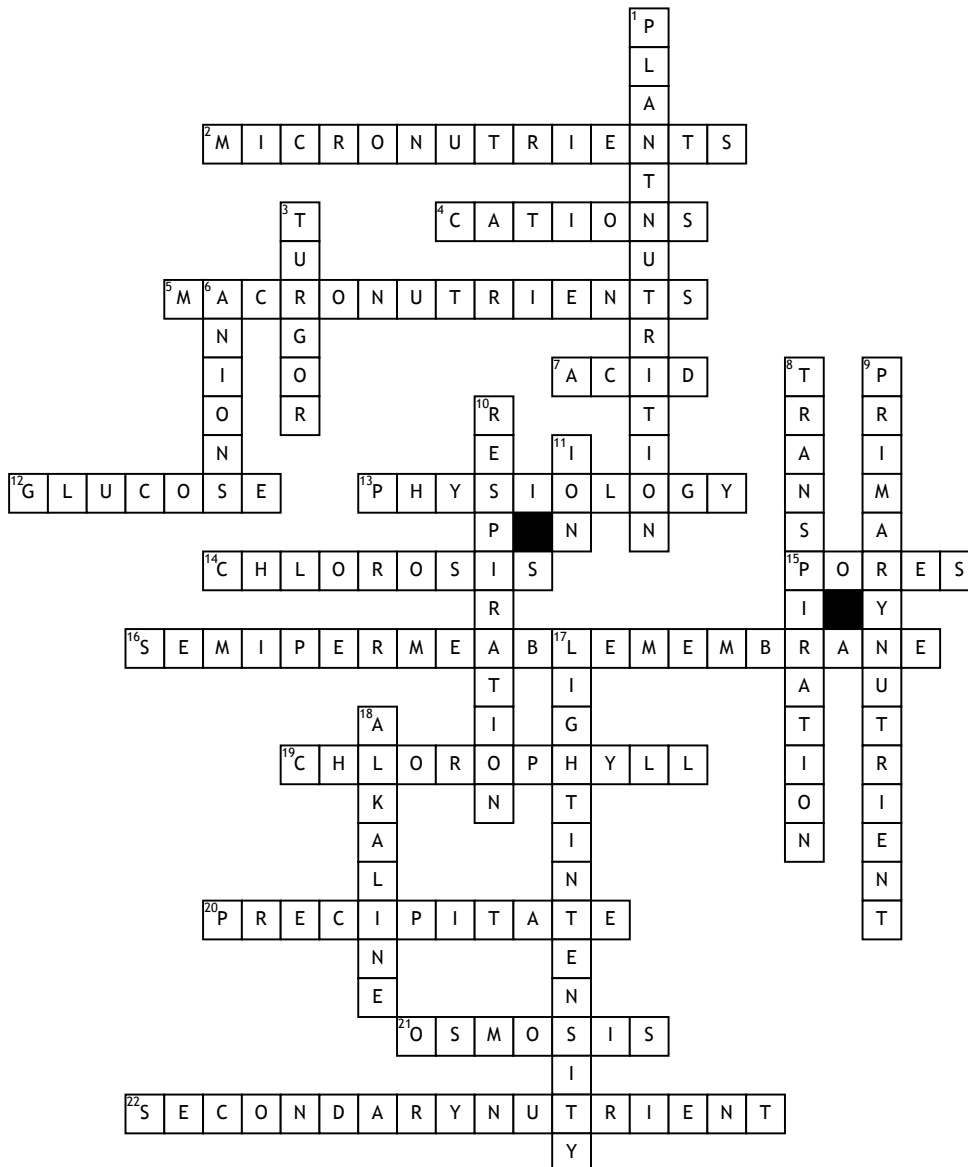


Name: _____

Date: _____

Unit 16



Across

2. elements used in very small quantities
4. ions that are positively charged
5. elements used in relatively large quantities, includes primary and secondary nutrients
7. pH of less than 7.0
12. simple sugar and the building blocks for other nutrients
13. study of the functions and vital processes of living creatures and their organs
14. yellowing of a leaf

15. spaces between soil particles through which plant roots penetrate, and in which air, water, and nutrients are stored
16. membrane that permits a solution to move through it
19. green pigment in leaves
20. a chemical action that results in the dropout of solids in a solution
21. movement of materials through a semi-permeable membrane
22. calcium, magnesium, and sulfur

Down

1. provision of elements to plants

3. swollen or stiff condition as a result of being filled with liquid
6. ions that are negatively charged
8. process by which a plant loses water vapor
9. nitrogen, phosphorous and potassium
10. a process in which energy and carbon dioxide are released due to digestion or the breakdown of plant tissues during periods of darkness
11. atom or a group of atoms that have an electric charge
17. brightness of light
18. pH of more than 7.0