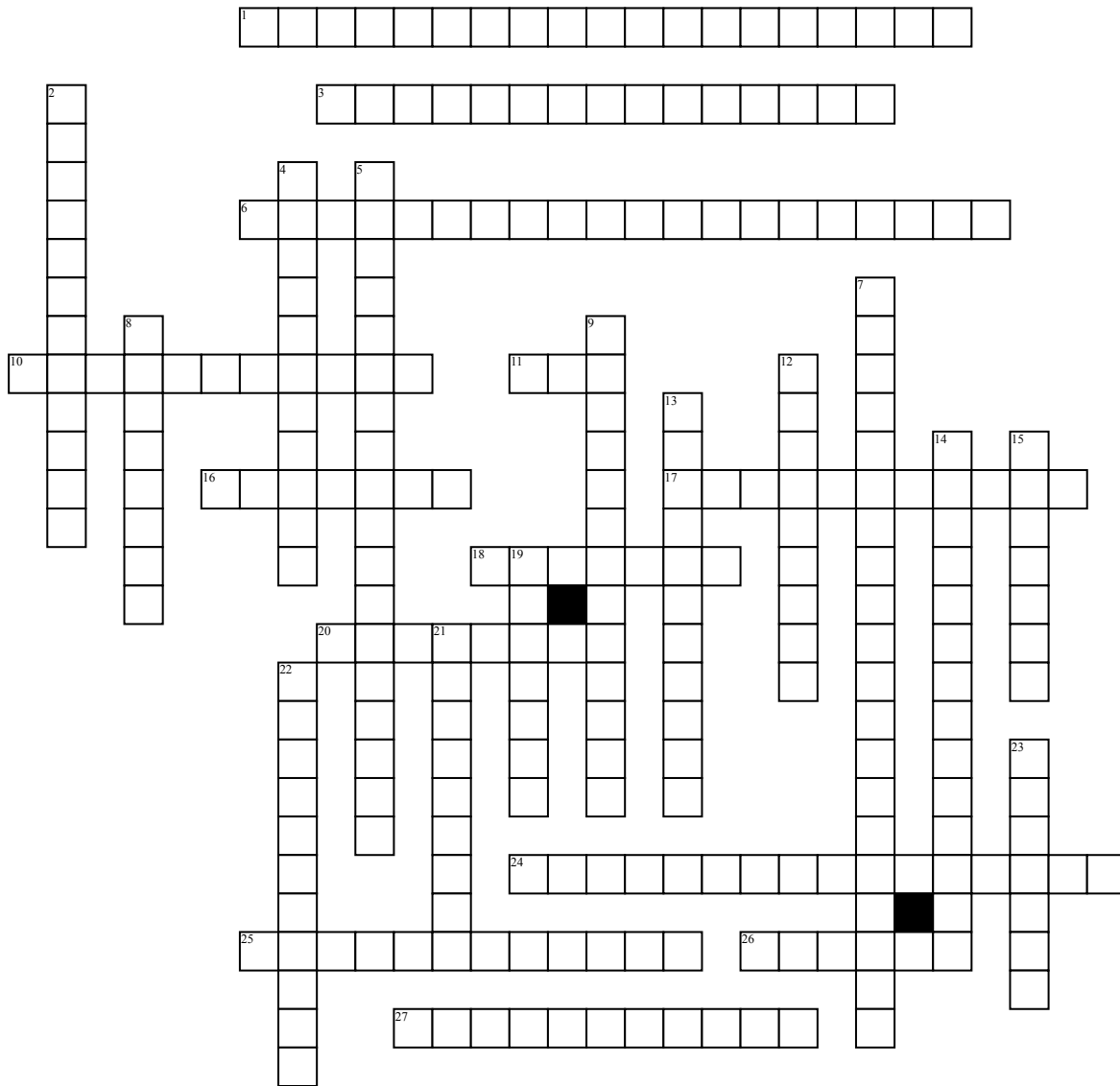


Name: _____

Chapter 3



Across

1. the process in which cells obtain energy from glucose
3. movement of materials across a cell membrane using cellular energy
6. allows some substances to pass by but not others
10. changes shape and engulfs the particle
11. deoxyribonucleic acid
16. organic molecules made of carbon hydrogen, oxygen, nitrogen and some cases sulfur
17. the main pigment in photosynthesis in chloroplast
18. speeds up chemical reactions in living things
20. an organism that makes its own food

24. dissolved materials across a cell membrane without using cellular energy
25. an energy releasing process that does not require oxygen
26. cell membranes consist mainly of this
27. capture energy from sunlight to produce food

Down

2. provides energy to the cell from the food to carry out its functions
4. an organism that cannot make its own food
5. cellular respiration that does not require oxygen
7. cellular respiration that requires oxygen
8. when two or more elements are combined

9. made from the elements carbon, hydrogen and oxygen
12. an organism that makes its own food
13. very long organic molecules
14. captures energy in sunlight to make food
15. substance that cannot be broken down
19. the central part of a plant or animal cell
21. when molecules move from high concentration to low concentration area
22. the shape of a DNA molecule is described as
23. the diffusion of water molecules across a selectively permeable membrane