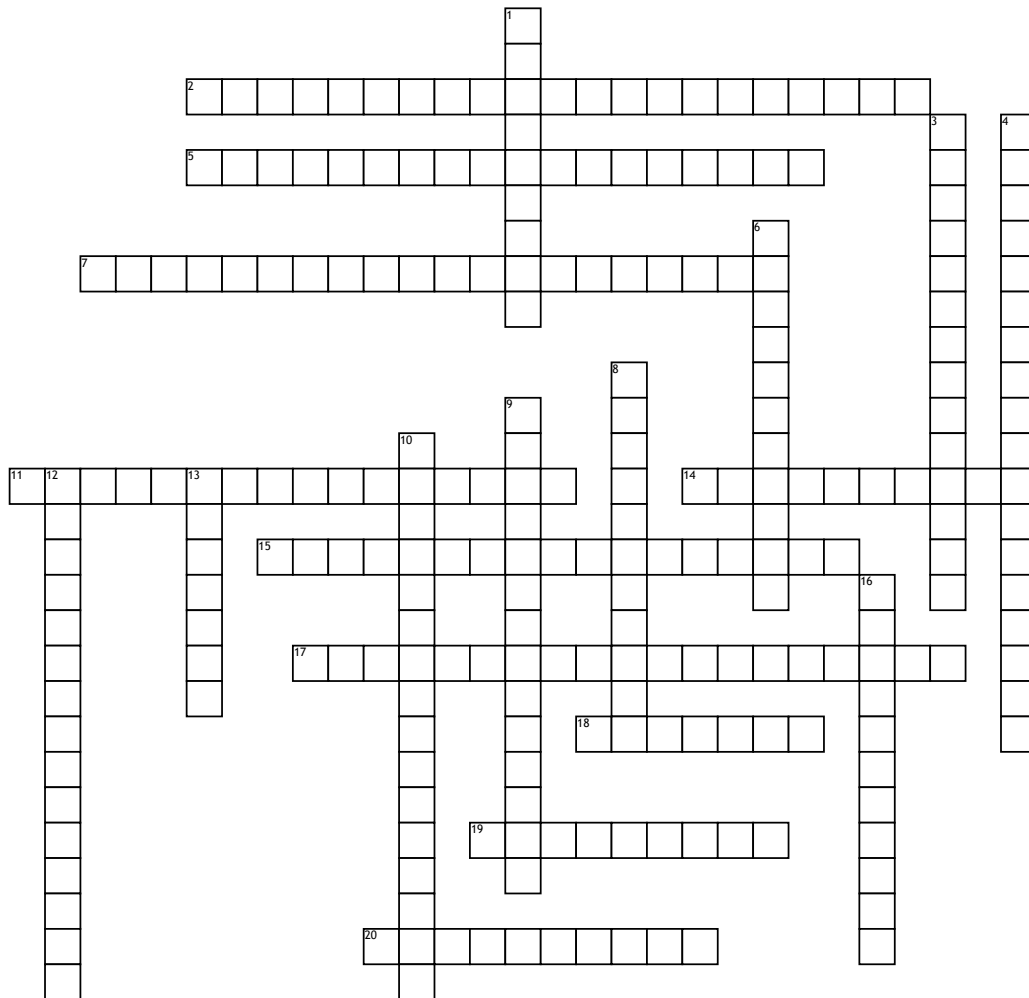


Name: _____

Date: _____

Unit 4 Crossword



Across

2. difference in the concentration of molecules across a space

5. organelle that pumps water out of the cell

7. form of passive transport that involves the use of a carrier protein

11. does not require energy from the cell

14. movement of a large substance by a vesicle to the outside of a cell

15. solution which causes a cell to swell because of water gain

17. example of a cell membrane "pump"

18. diffusion of water through a membrane

19. movement of a substance down the substance's concentration gradient (high to low)

20. transport protein through which ions can pass

Down

1. bursting of a cell due to osmosis

3. pressure that water exerts against the cell walls of plant cells

4. solution which causes a cell to shrink because of water loss

6. movement of a large substance by vesicle to the inside of the cell

8. shrinking of a cell due to osmosis

9. protein used to transport specific substances across a membrane

10. solution in which the concentrations of solute is equal in an out of the cell

12. movement of a substance against the substance's concentration gradient (low to high)

13. pouch that pinches off from the cell membrane and becomes a membrane-bound organelle

16. concentration of molecules is equal throughout a space

Word Bank

turgor pressure

facilitated diffusion

active transport

ion channel

isotonic solution

concentration gradient

plasmolysis

hypotonic solution

passive transport

hypertonic solution

sodium-phosphate pump

osmosis

diffusion

contractile vacuole

cytolysis

endocytosis

equilibrium

vesicle

exocytosis

carrier protein