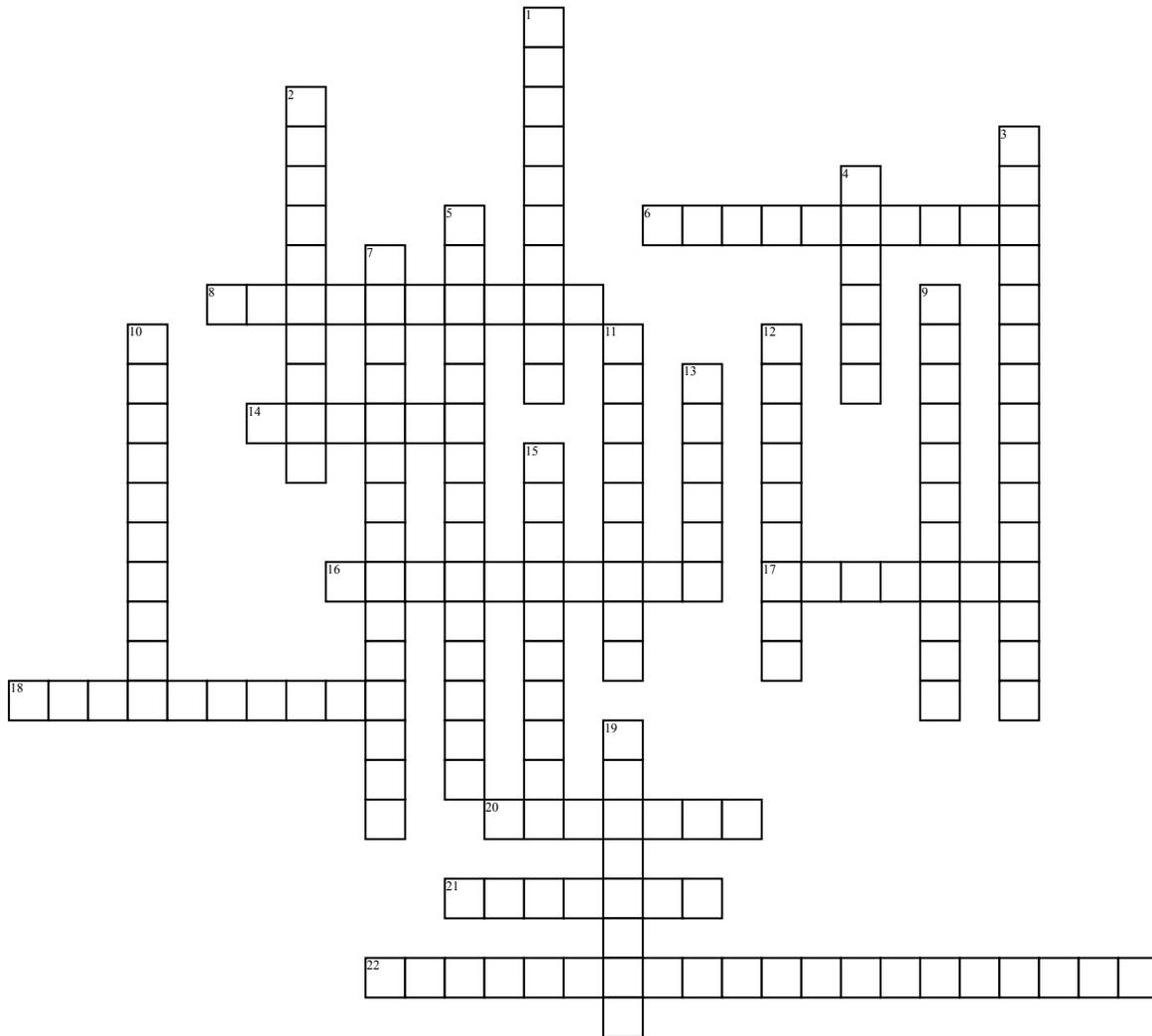Name: _____ Date: _____

Cell Processes and Tissue Types

Across

6. lining, covering, and glandular tissue of the body

8. connective tissue is involved in protecting, _____, and binding together other body tissues

14. type of pump which transports amino acids, some sugars, and most ions which move against concentration gradients

16. type of tissue that connects body parts

17. type of tissue that is involved in internal communication

18. Epithelium forms the _____ that seperate us from the outside world

20. diffusion of water through a selectively permeable membrane

21. muscle tissue provides posture and body _____, locomotion, and heat production

22. a barrier allows some substances to pass through it while excluding others

Down

1. type of solution that contains more solutes than there are inside the cells

2. epithelial functions include protection, _____ , filtration, and secretion

3. unassisted diffusion of solutes through the plasma membrane

4. the nervous tissue's functions are sensory input, integration, control of muscles and glands, homeostasis and _____ activity.

5. net movement of a substance across a membrane against a concentration or electrical gradient; requires release and use of cellular energy

7. type of pump that simultaneously carries sodium ions out of and potassium ions into the cell is absolutely necessary for normal transmission of impulses by nerve cells

9. includes those ATP-requiring processes that take up extracellular substances by enclosing them in a small membranous vesicle

10. process by which water and solutes are forced through a membrane by fluid, or hydrostatic, pressure

11. process by which molecules (and ions) move away from a region where they are more concentrated to a region where they are less concentrated

12. type of solution that contains fewer solutes than the cell does

13. type of tissue that is highly specialized to contract in order to produce movement

15. moves substances out of cells

19. type of solution with the same solute and water concentrations as cells do