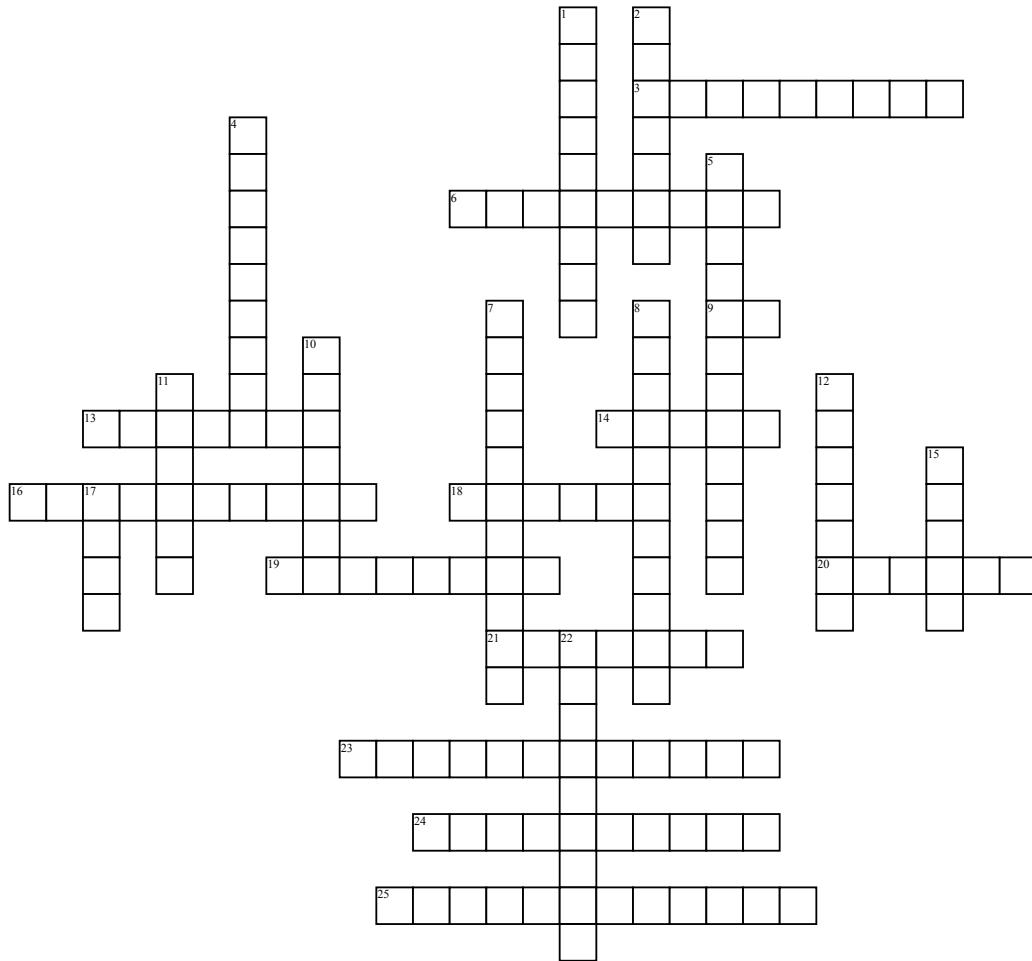


Cells and cell processes



Across

- 3. makes proteins
- 6. said "all plants have cells"
- 9. transport system
- 13. controls the cell; "brain"
- 14. This substance moves by facilitated diffusion
- 16. This substance causes muscle soreness due to a lack of oxygen
- 18. food coloring; substance being dissolved
- 19. Rigid structure NOT found in animal cells

20. Photolysis (splitting water) during the light dependent reactions produce this gas

- 21. water; dissolving agent
- 23. site of cellular respiration
- 24. 1st step of cellular respiration that breaks the glucose
- 25. Organelle described as semipermeable

Down

- 1. clear jelly-like substance found in all cells
- 2. term means "with oxygen"
- 4. Produces CO₂ during aerobic respiration

5. another name for anaerobic respiration

- 7. site of photosynthesis
- 8. first to view bacteria or "animalcules"
- 10. cell transport that moves from high to low concentration; NO energy needed
- 11. cell transport that requires energy
- 12. said "cells come from other cells"
- 15. Packaging and shipping; "post-office"
- 17. basic unit of life
- 22. contains digestive enzymes; cleans the cell

Word Bank

| | | | | | | |
|--------------|-------------|---------------|-------------|---------|--------------|-----------|
| ribosomes | chloroplast | cell membrane | Leeuwenhoek | ER | golgi | cell |
| fermentation | cell wall | glycolysis | passive | nucleus | mitochondria | lysosomes |
| solute | Kreb Cycle | solvent | Virchow | aerobic | oxygen | cytoplasm |
| Schleiden | lactic acid | active | sugar | | | |