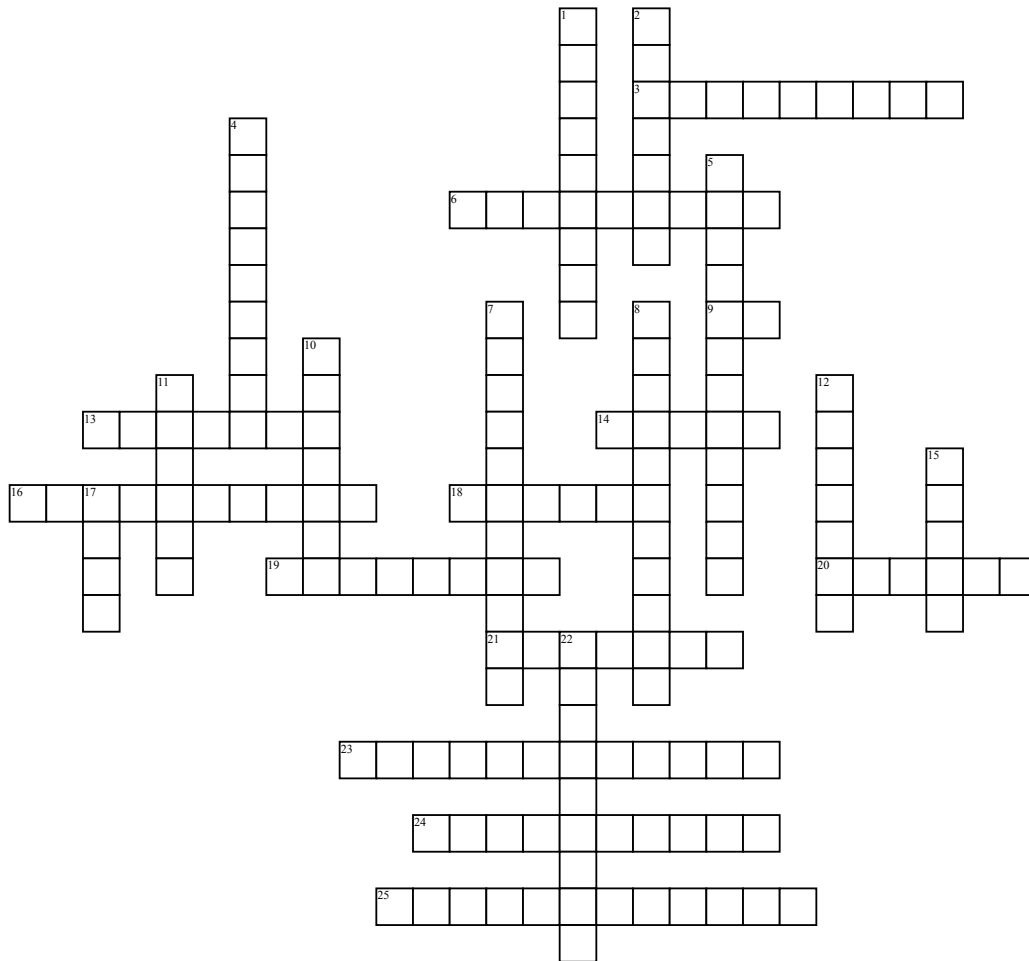


# Cells and cell processes



## 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 CO<sub>2</sub> 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       |         |              |           |