

1. C₆H₁₂O₆	glucose molecule	27. Rudolf Vurchow	The man that said all cells come from another cell
2. Cell	Basic unit of life	28. Selectively Permeable	allows certain thing to go through
3. Cell Membrane	A thin, flexible barrier around a cell; regulates what enters and leaves the cell	29. Smooth E.R	That portion of the endoplasmic reticulum that is free of ribosomes.
4. Cell Wall	Found outside the cell membrane, make mostly of cellulose	30. Theodore Schwann	Discovered all animals are made up of cells
5. Chloroplast	A plastid containing chlorophyll, the site of photosynthesis		
6. Chromatin	Clusters of DNA, RNA, and proteins in the nucleus of a cell		
7. CO₂	carbon dioxide molecule		
8. Diffusion	Movement of molecules from an area of higher concentration to an area of lower concentration.		
9. Golgi apparatus	A system of membranes that modifies and packages proteins for export by the cell		
10. H₂	Hydrogen molecule		
11. Hans Jannsen	He invented the microscope		
12. Hypertonic	more molecules on the out side that inside		
13. Hypotonic	there are more molecules on the inside		
14. Isotonic	equal amount of molecules on the outside and inside		
15. Matthias Schliden	said all plants are made of cells		
16. Mitochondria	Bean shaped, outer and inner membrane, inner membrane folded into cristae, ATP is produced here (a high energy compound).		
17. Nucleolus	A small round body of protein in a cell nucleus that produces ribosomes		
18. Nucleoplasm	Fluid inside the nucleus		
19. Nucleus	Contains DNA		
20. O₂	Oxygen molecule		
21. Osmosis	the diffusion of water		
22. Photosynthesis	how plants make energy		
23. Ribosome	Cytoplasmic organelles at which proteins are synthesized.		
24. Robert Brown	Discovered the nucleus of a cell while looking at plant cells		
25. Robert Hooke	1665, first scientist to see a cork cell, compound light microscope, saw tiny boxes and named it cells which means "little rooms" in Latin		
26. Rough E.R	That portion of the endoplasmic reticulum studded with ribosomes.		