BIOLOGY CELLS & TRANSPORT ANSWERS

1. Mitochondria   
2. Powerplant/Burn glucose/make ATP   
3. Thylakoids   
4. Glycoproteins   
5. Cell wall   
6. cellulose   
7. Selectively Permeable OR Semi-permeable   
8. Cristae   
9. Chromosomes  
10. Microtubules  
11. Nucleolus  
12. Make ribosomes (RNA)  
13. Rough ER  
14. Integral  
15. Phospholipids & proteins  
16. BACTERIAL cells  
17. cytoplasm  
18. Eukaryote  
19. Mitochondria OR chloroplasts  
20. 9 + 2 =Cilia or flagella  
21. Chloroplast/cell wall made of cellulose/really big vacuole  
22. Golgi  
23.centrioles  
24. Guide chromosomes apart during cell division  
25. Plant or animal  
26.

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| ANIMAL | BACTERIA |
| Nucleus | No nucleus |
| Have membrane bound organelles (ER, Golgi, lysosomes, mitochondria, etc) | No membrane bound organelles |
| No cell wall | Have a cell wall |
| Centrioles | No centrioles |
| Eukaryote | Prokaryote |

27. chloroplast  
28. photosynthesis  
29, vacuole  
30. Storage  
31. Cilia- many, short/Flagella- few, long   
32. RIBOSOMES use amino acids to make proteins  
33. increase  
34. hypertonic  
35. shrink (Solute sucks!)  
36. cytolysis  
37. hypotonic  
38.  swell and burst (Solute sucks!)  
39. osmosis  
40. crenation  
41. Isotonic  
42. Aquaporins   
43. higher to lower  
44. hypertonic  
45. vesicle