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