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| Cell | Cell Theory |
| Eukaryotic Cell | Prokaryotic Cell |
| Cytoplasm | Nucleus |
| Nuclear Envelope | Nuclear Pores |
| Nucleolus | Ribosome |
| Endoplasmic Reticulum | Golgi Apparatus |
| Lysosome | Vacuole |
| Mitochondria | Chloroplast |
| Cytoskeleton | Cell Membrane |
| Cell Wall | Diffusion |
| Osmosis | Facilitated Diffusion |
| Active Transport | Endocytosis |
| Pinocytosis | Phagocytosis |
| Exocytosis | Robert Hooke |
| Robert Brown | Edmund B. Wilson |
| Henri Dutrechet | Schleiden & Schwann |
| Concentration | Equilibrium |
| Cilia | Flagella |