Cell Function Unit Reading Guide (Life 9th Edition)

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| **TOPIC** | **PAGES** | **NOTES** |
| 6.3 | What are the passive processes of membrane transport? | 114-120 (6 pages) |  |
| 6.4 | What are the active processes of membrane transport? | 120-122 (3) |   |
| 6.5 | How do large molecules enter and leave a cell? | 122-124 (2) |   |
| 35.1 | How do plants take up water and solutes? | 740-745 (5) |  |
| 5.4 | What are the roles of extracellular structures? | 100-101 (1) |  |
| 45.1 | What cells are unique to the nervous system? | 944-948 (4) |   |
| 45.2 | How do neurons generate and transmit electrical signals? | 948-956 (9) | **Important note**: Don’t get lost in all the details in Section 45.2! Just appreciate the role the different membrane proteins are playing. Observe how neurons are using facilitated diffusion and active transport to generate nerve signals we call action potentials. |
| 45.3 | How do neurons communicate with other cells? | 956-962 (6) |  |

Test target date for this material = Friday 12/5/14