**Text Comparison Matrix**

**Concept/subject: Cellular Transport**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Transport Type | Energy Required | Concentration gradient movement | Proteins used (if any) | Type of Transport |
| Facilitated Diffusion | No | Down  | Channel & Carrier Proteins | Passive Transport |
| Simple Diffusion | None | With or Down | None | Passive |
| Osmosis | None | With or Down | None | Passive |
| Active Transport | Yes | Up or Against | Carrier | Active |

Summary: (discuss similarities and differences)

Osmosis v. Diffusion- Osmosis uses water unlike diffusion, and everything else is the same.

Active v. Passive- Active transport requires energy unlike passive and active goes against the way it should go.