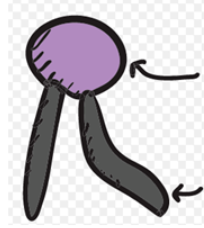
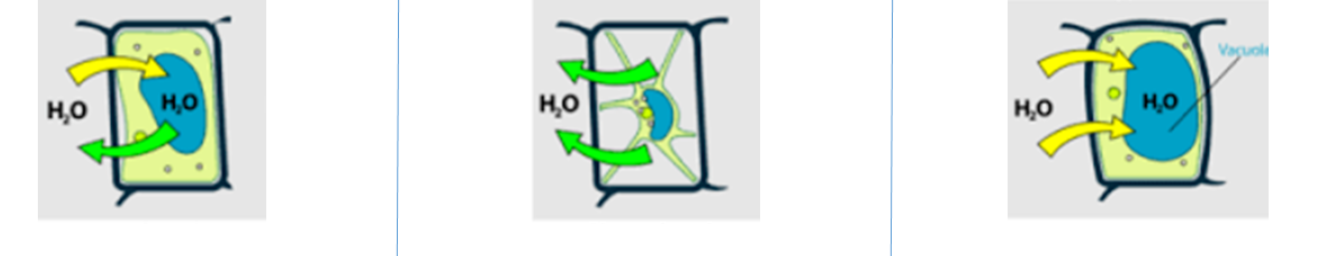
|  |  |
| --- | --- |
| Hypotonic | Hypertonic |
| Isotonic | Hydrophilic Head |
| Hydrophobic Tail | Phospholipid |
| Lipid Bilayer | Transport Protein |
| Carbohydrate Chain | Phospholipids |

|  |  |
| --- | --- |
| Active Transport | Passive Transport |
| Exocytosis | Endocytosis |
| Diffusion | Facilitative Diffusion |
| Osmosis | Movement of small particles from high to low until equilibrium is reached  (spread out) |
| Diffusion involving **water** | Diffusion with the use of a “**helper” protein** |





|  |  |
| --- | --- |
| High to Low.  No Energy | Low to High.  Uses Energy |
| Cell Transport | Movement of materials in and out of the cell |
| Moves large molecules **into** a cell.  **Uses energy** | Moves large molecules **out** of a cell  **Uses energy** |
| Water moves in and out of a cell.  Cell does not change in size | Water goes outside the cell.  Cell shrinks. |
| Water goes into the cell.  The cell gets big | With the Gradient |

|  |  |
| --- | --- |
| With the gradient | Water loving |
| Water fearing |  |
|  |  |

