Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ *Biology*

**Cell Transport & Living Things**

Instructions: Look at the following pictures and read their description. Identify what type of transport is occurring in each example.

|  |  |  |  |
| --- | --- | --- | --- |
| Picture | Description | Diffusion, Facilitated Diffusion, Osmosis, Phagocytosis, Pinocytosis, or Exocytosis? | Passive or Active Transport? |
|  | White blood cells attack and eat bacteria. |  |  |
| C:\Users\qiss\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\3PJ9X3W2\MC900438748[1].jpg  O2 | Oxygen from the air we breathe enters red blood cells through our lungs |  |  |
| C:\Users\qiss\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\K1K0NZM4\MC900383120[1].wmf  H20 | Water is absorbed through plants roots and into plant cells |  |  |
| C:\Users\qiss\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\K1K0NZM4\MC900048086[1].wmf  H20 | Water is brought into our cells during digestion of food in our stomach |  |  |
| C:\Users\qiss\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\K1K0NZM4\MP900437206[1].jpg  CO2  O2 | Carbon dioxide enters and oxygen leaves plant cells trough the leaves |  |  |
|  | An amoeba eating a paramecium. |  |  |
| **H20** | Water leaving plant cells put in salt water and causing the cells to shrink. |  |  |
|  | Salts are pumped across the cell membrane with the use of energy. |  |  |
|  | Large glucose molecules are helped across the cell membrane by protein channels. |  |  |
|  | A cell is expelling waste into the surrounding environment. |  |  |
|  | A cell brings in liquid molecules for cellular use. |  |  |

Choose 3 examples from your chart and explain what would happen if cells were not able to get their required materials across their membrane.