Diffusion and Osmosis

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| **Across**  **1.**  When particles move across the cell membrane without needing to use energy from the cell it is called \_\_\_\_\_  **2.** \_\_\_\_\_ is a special type of diffusion that is very important  **8.**  The molecules are moving TO an area with \_\_\_\_\_ concentration of water molecules  **10.**  Large particles move across the cell membrane by a process called \_\_\_\_\_\_\_\_\_ (hint: out)  **11.** \_\_\_\_\_ are the smallest unit that can perform all life processes  **12.**  Smallest particles across the cell membrane through passageways called \_\_\_\_\_\_  **14.**  Osmosis takes place When \_\_\_\_\_ molecules move across a membrane  **17.** \_\_\_\_\_\_\_ is the movement of particles from regions of higher density two regions of lower density  **18.**  Cells do not need \_\_\_\_\_ for diffusion  **19.**  Large particles move across the cell membrane by a process called \_\_\_\_\_\_\_\_ (Hint- in) | **Down**  **3.** When talking about cells osmosis means water molecules crossing the \_\_\_\_\_ \_\_\_\_\_\_\_\_  **4.**  Large \_\_\_\_\_ that need to leave the cell are enclosed in a vesicle and carry out of the cell  **5.**  And a Salty solution the cell will \_\_\_\_\_  **6.**  Particles move across the membrane in \_\_\_\_\_ ways  **7.**  When particles move from areas of low concentration to high concentration moving large particles it is called \_\_\_\_\_\_\_\_\_\_\_\_ osmosis  **9.**  The cell membrane \_\_\_\_\_\_ Around a particle and forms a vesicle to bring the particle into the cell  **13.** \_\_\_\_\_\_\_\_\_\_ transport is when particles need to use energy from the cell to move across the cell membrane  **15.** \_\_\_\_\_\_ is the equation for water  **16.**  They water molecules are moving from an area of \_\_\_\_\_ concentration of water molecules |

   Diffusion        Energy       Osmosis        High       Low       Cell Membrane        Water        Channels        Two        Passive transport        Active         Opposite         Endocytosis         Exocytosis        Wraps        Particles        Cells        Shrivel        H2O