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Unit 2- Cellular Structure & Function

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| **Across**  **3.** High strenght solution, cell shrinks.  **5.** Moving materials with NO energy.  **12.** Controls what enters and leaves the cell.  **13.** DNA located. Center of a cell.  **15.** Storage sac.  **17.** An area in the nucleus that makes ribosomes.  **19.** Storage for photosynthesis materials. Found in plant cells.  **20.** Tiny parts that read the instructions given by DNA to assemble proteins.  **23.** Diffusion of water.  **24.** Cell membrane "moves" and encloses particle.  **25.** Low strenght solution, cell enlarges.  **26.** Diagram representing cell membrane.  **28.** Thick, rigid border found in plant cells. Made of cellulose.  **29.** Provides cells energy.  **30.** Diffuse materials that cannot pass thru the membrane. | **Down**  **1.** Many substances can easily pass thru the membrane.  **2.** Sac of enzymes which break down waste. Found in animal cells.  **4.** Same concentration.  **6.** Vacuole fuses with membrane and contents are expelled.  **7.** All living things are made of cells.  **8.** Tail-like.  **9.** Membrane system, helps make proteins.  **10.** Modifies, fixes, and packages the protein.  **11.** Moving particles WITH energy.  **14.** Get rid of toxins. Found in animal cells.  **16.** Process of particles moving from an area of high concentration to an area of low concentration.  **18.** Supports and maintains shape for the cell.  **21.** Amount of solute in a solution.  **22.** Site of photosynthesis. Found in plant cells.  **27.** Hair-like projections. |