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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. |