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| **Across**  **2.** Is the process by which plants, some bacteria, & Protists use sunlight to make glucose  **4.** Has large protein molecules embedded to serve as channels,pump,and gates  **7.** A compound that absorbs light  **10.** Photosynthesis usually occurs using the green pigment  **12.** The radiation from the sun that can be seen by the human eye  **16.** Occurs when high energy electrons pass through proteins  **18.** is the C shaped sack  **21.** Filters the blood  **24.** Can be aerobic or anaerobic  **25.** Pyruvic acid molecules are broken down into carbon dioxide  **26.** Calvin cycle uses ATP and NADPH | **Down**  **1.** what is the cranial on a rat?  **3.** A tough layer outside the cell membrane in most cells  **5.** A large system of membranes, some covered with ribosomes ( Rough ER)  **6.** Converts this sugar into ATP, the "fuel" used by all living things  **8.** Surrounds the nucleus and controls what enters and leaves the nucleus  **9.** The materials outside of the nucleus  **11.** The abdomen does what?  **13.** where is the ventral at?  **14.** Cells like bacterial cells are less complex and lack organelles  **15.** The base of the tail is called?  **17.** Controls cell processes with DNA, the genetic information  **19.** Regulates what enters and leaves the cell  **20.** Tiny dots that make protiens  **22.** Cells that have many internal structures with special functions called "organelles "  **23.** creates two ATP molecules |