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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  |