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Unit 6 Crossword

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| **Across**  **1.** Organelle where photosynthesis takes place  **2.** Organism that can produce its own food  **4.** Genetic material passed from parent to offspring  **10.** Pigment that absorbs light  **11.** A simple sugar that is an important energy source  **14.** Acronym for energy-supplying molecule Adenosine triphosphate  **15.** Contains two sets of chromosomes  **16.** A polymer of glucose  **18.** Cycle that is also known as the Citric Acid Cycle  **19.** The breakdown of glucose by enzymes  **20.** Process by which plants use solar energy to create nutrients | **Down**  **3.** contains one set of chromosomes  **5.** Organisms that obtain energy and carbon from food consumption of other organisms  **6.** The flow of ions across the membrane  **7.** Physical separation of the cytoplasmic components into two daughter cells  **8.** Nucleic acid that exist as a single stranded molecule  **9.** Where Glycolysis takes place  **12.** Cell division resulting in two daughter cells each with the same number of and kind of chromosomes  **13.** The longer it is the less energy is carried by it  **17.** Cell division that results in four daughter cells each with half the number of chromosomes of the parent |