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Cellular Respiration

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| **Across**  **6.** Where glycolysis takes place  **7.** High Energy electron carrier  **11.** A chemical process in which glucose molecules are broken down to release energy (atp) for cellular Functions  **13.** this happens in the mitochondria of the cell this needs oxygen and it makes a lot of ATP  **14.** Hiigh Energy Electron Carrier  **16.** this process is aerobic it takes place in the mitochondria it uses NADH+ and FADH2 to create huge amounts of ATP  **18.** another name for the The Krebs Cycle  **19.** What does NADH+ and FADH2 carry  **20.** this is one of the end results of Gylcolysis it stores high-energy electrons that will be used in the Krebs Cycle | **Down**  **1.**  Adenosine diphosphate  **2.** this happens in cytoplasm of the cell this does not need Oxygen makes an okay amount of ATP  **3.** what do humans produce during fermantion  **4.** this is an aerobic process it takes place in the mitochondria it breaks down pyruvic acid and releases carbon dioxide the end result of the process is NADH+ and FADH2  **5.** this process takes place in the cytoplasm it is anaerobic it's end result is 2 ATP molecules pyruvic acid,and NADH  **8.** How would you continue cellular respiration if there is no oxygen  **9.** C6H12O6  **10.** this is where ETC and The Krebs Cycle take place  **12.** How do plants produce glucose  **15.** Adenosine Triphosphate  **17.** What is a waste product of cellular respiration |

   CELLULARESPIRATION        GLUCOSE        CYTOPLASM       AEROBICRESPIRATION       ANAEROBICRESPIRATION        GLYCOLYSIS       PYRUVIC ACID       THEKREBSCYCLE        ELECTRONTRANSPORTCHAIN        ATP       ADP       MITOCHONDRIA       CITRICACIDCYCLE       FADH2       NADH+       HIGHENERGYELECTRONS       PHOTOSYNTHSIS       6CO       FERMANTATION       LACTICACID