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Cellular Respiration & Fermentation Crossword Puzzle

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| **Across**  **3.** The type of fermentation that causes your muscles to get sore.  **4.** The step in cellular respiration that uses pyruvate to create 2 ATP molecules and NADH for the electron transport chain  **6.** A series of anaerobic chemical reactions in the cytoplasm that break down glucose into pyruvate; forms a net profit of two ATP molecules.  **8.** Cellular respiration puts this back into the air.  **9.** The release of energy from food without the use of oxygen  **12.** Energy-storing molecule in cells composed of an adenosine molecule, a ribose sugar and three phoshate groups  **13.** The term that means "without oxygen"  **15.** Anaerobic process where cells convert pyruvic acid into carbon dioxide and ethyl alcohol | **Down**  **1.** The waste product that forms when pyruvate is broken down during lactic acid fermentation.  **2.** Chemical process where mitochondria break down food molecules to produce ATP;  **5.** The type of fermentation that allows bread to rise and cheeses to get different flavors/textures  **7.** The term that means "with oxygen"  **10.** Molecule formed from the breaking off of a phosphate group from ATP  **11.** The 3 carbon sugar that is a made from breaking down glucose during glycolysis.  **14.** Carries high energy electrons; it becomes NAD+ after being used. |