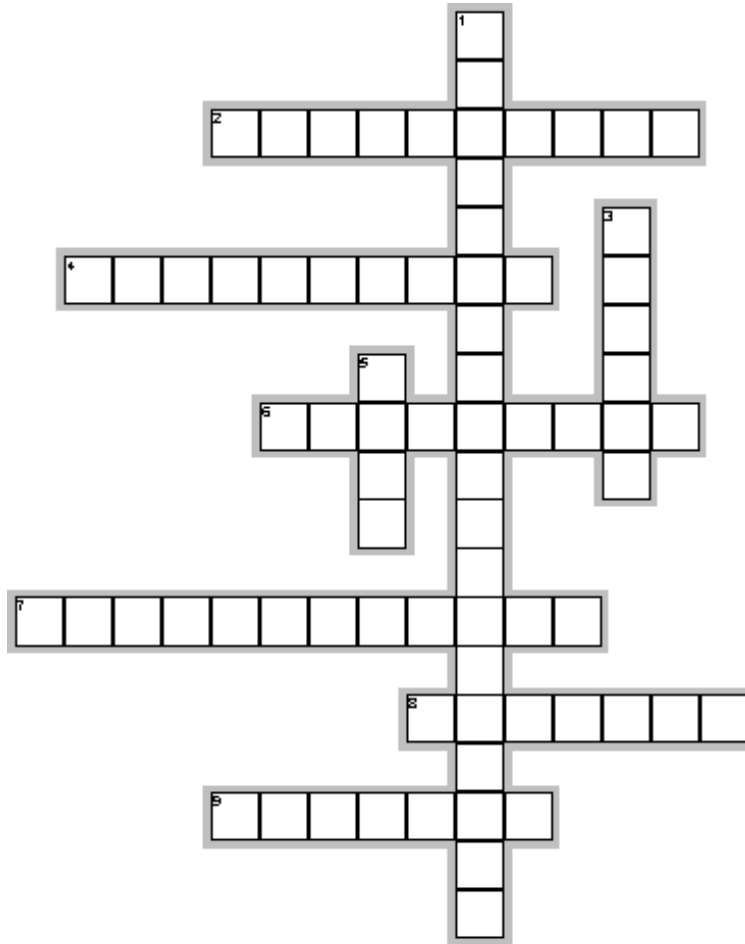


Golenberke Biology Chapter 9 Vocabulary: Cellular Respiration & Fermentation



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Across

2. first set of reactions in cellular respiration in which a molecule of glucose is broken into two molecules of pyruvic acid
4. second stage of cellular respiration in which pyruvic acid is broken down into carbon dioxide in a series of energy-extracting reactions (2)
6. process that does not require oxygen
7. process by which cells release energy in the absence of oxygen
8. amount of energy needed to raise the temperature of 1 gram of water by 1 degree Celsius
9. process that requires oxygen

Down

1. process that releases energy by breaking down glucose and other food molecules in the presence of oxygen (2)
3. innermost compartment of the mitochondrion
5. (nicotinamide adenine dinucleotide): electron carrier involved in glycolysis

WORD BANK

aerobic
anaerobic
calorie
cellularrespiration
fermentation

glycolysis
Krebscycle
matrix
NAD+