

CHEMICAL PATHWAYS VOCABULARY

1. Krebb's Cycle – pyruvic acid is broken into carbon dioxide in a series of energy – extracting reactions.
2. Anaerobic – pathways that do not require oxygen.
3. Aerobic – pathways that do require oxygen.
4. NAD⁺ - high speed electron carrier.
5. Glycolysis – process of breaking down glucose into two pyruvic acid molecules.
6. Fermentation – releases energy from food molecules by producing ATP in the absence of oxygen.
7. calorie – the amount of energy needed to raise 1 gram of water 1 degree Celsius.
8. Cellular Respiration – process in which glucose and other food molecules are broken down in the presence of oxygen.
9. Electron Transport Chain – series of proteins that carry electrons in the mitochondrion.