

Cellular Respiration and Photosynthesis Study Guide

Notes: Cellular Respiration, Cellular Respiration in Detail, and Cellular Resp. Anaerobic Pathways

Other Materials: Cellular Respiration flow chart and table from notes (ABSOLUTELY KNOW!)

Remember that this test includes photosynthesis as well so refer to the photosynthesis study guide as well.

Vocabulary: alcoholic fermentation, anaerobic, cellular respiration, fermentation, glycolysis, lactic acid fermentation, NAD⁺, pyruvic acid, acetyl coA, aerobic, citric acid, FAD, Krebs Cycle, electron transport chain, mitochondrial matrix, cristae, FADH₂, autotroph, heterotroph, NADH

People: Hans Krebs

Essential Questions:

- 1) What is cellular respiration?
- 2) Explain the relationship that occurs between photosynthesis and cellular respiration.
- 3) Give the equation for photosynthesis and cellular respiration. What are the reactants and what are the products in each equation?
- 4) What types of organisms undergo photosynthesis? What types of organisms undergo cellular respiration?
- 5) Label each of the following as an autotroph or heterotroph place a "p" for undergoes photosynthesis and a "C" if it undergoes cellular respiration next to it.



- 6) Identify the organelle below. _____



- 7) Identify the location in the structure to the left where the following processes occur:

glycolysis:

fermentation:

Krebs Cycle:

ETC:

Chapter 8 Cellular Respiration Study Guide

R Sandford



Chapter 8 Cellular Respiration Study Guide:

Unveiling the Magic of Words: A Review of "**Chapter 8 Cellular Respiration Study Guide**"

In some sort of defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is truly awe-inspiring. Enter the realm of "**Chapter 8 Cellular Respiration Study Guide**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book's central themes, examine its distinctive writing style, and assess its profound affect on the souls of its readers.

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