# Glycolysis And Fermentation Answer Key

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# **Glycolysis And Fermentation Answer Key**

Modern Biology Study Guide Answer Key Section 7-1 VOCABULARY REVIEW 1. Cellular respiration is the process in which cells make ATP by breaking down organic compounds. 2. Glycolysis is a biochemical pathway in which one molecule of glucose is oxidized to two molecules of pyruvic acid. 3. Lactic acid fermentation is an anaerobic pathway

# **VOCABULARY REVIEWDefine the following terms.**

Fermentation Answer Key. 1. What role does oxygen play in cellular respiration? It is reduced in glycolysis as glucose is oxidized. It provides electrons to the electron transport chain. It is required for the production of heat and light. It serves as the final electron acceptor during the electron transport chain. ...

#### Fermentation Answer Key - HelpTeaching.com

is the first stage in cellular respiration when one six-carbon glucose molecule is oxidized to form two three-carbon pyruvic acid molecules, is an anaerobic process because it does not require the presence of oxygen, four ATP molecules are produced, and has an efficiency rate of 2%

# Chapter 7 Review Sheet: Cellular Respiration Flashcards ...

Section 7-1: Glycolysis and Fermentation Read the passage below, which covers topics from your textbook. Answer the questions that follow. Glycolysis is a pathway in which one six-carbon molecule of glucose is oxidized to produce two three-carbon molecules of pyruvic acid. The pathway can be condensed into the following four main steps. Step 1.

#### **CHAPTER 7 ACTIVE READING WORKSHEETS CELLULAR RESPIRATION**

SAMPLE ANSWER: Cells use glycolysis to release energy without oxygen. SAMPLE ANSWER: When oxygen is not present, glycolysis is followed by a pathway that continues the production of ATP. This pathway plus glycolysis is called fermentation. Fermentation releases energy from food molecules by producing ATP.

#### Cellular Respiration and Fermentation - Weebly

Chapter 9: Cellular Respiration and Fermentation Cellular Basis of Life Q: How do organisms obtain energy? respiration? 9 9.1 Cellular Respiration: An Overview Chemical Energy and Food For Questions 1–4, complete each statement by writing the correct word or words. 1. A calorie is a unit of ENERGY. 2.

# **Chapter 9: Cellular Respiration and Fermentation**

BIO 101 Worksheet Metabolism and Cellular Respiration KEY Glycolysis True or false. If false, indicate why ... \_\_\_\_T\_\_ Glycolysis leads to fermentation in some bacteria and yeast ... BIO 101 Worksheet Metabolism and Cellular Respiration 9. \_\_\_T\_\_\_ATP is synthesized by a ATP synthase

## BIO 101 Worksheet Metabolism and Cellular Respiration KEY ...

Respiration & Fermentation Summary & Study Guide Mitochondria & Respiration Mitochondria are the powerhouses of the cell because they "burn" or break the chemical bonds of glucose to release energy to do work in a cell. Remember that this energy originally came from the sun and was stored in chemical bonds by plants during photosynthesis.

## Respiration & Fermentation Summary & Study Guide KEY

To preview this answer key, ... glycolysis, the citric acid cycle, pyruvate oxidation, and oxidative phosphorylation ... Which action is common to both fermentation and aerobic cellular respiration? Oxygen is consumed. FADH2 is produced. ATP is synthesized. Carbon dioxide is consumed. 9. ATP serves as ...

# Cellular Respiration Answer Key - HelpTeaching.com

Name: \_\_\_\_& Date: \_\_\_\_& Cellular&Respiration&Review& & 5 (intermembrane(space.(11. The(Krebs(cycle(breaksdown(pyruvicacid(into(carbon(dioxide(and(producesNADH ...

# Cellular Respiration Review Worksheet - Key

SHORT ANSWER Answer the questions in the space provided. I. Why are the fermentation pathways referred to as "anaerobic" pathways? THEN 2. What are the energy-containing products of glycolysis? 3. Of what importance are lactic acid fermentation and alcoholic fermentation to the cells that use these pathways? 4.

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