

Section C Self-Test Answers

Question 1

What is glycolysis, and how many molecules of ATP are produced?

Answer

Glycolysis is the breakdown of glucose and other sugars that then releases energy in the form of ATP. Four molecules of ATP are produced, but two are used in glycolysis, which means a net gain of two.

Question 2

Why is anaerobic respiration of interest as an energy resource?

Answer

Anaerobic respiration is relatively inefficient with less energy available for growth and cell production. This results in a high-energy waste product which can be utilised as a biofuel