

Photosynthesis Bell Work – Student Edition

Identify whether the given statement describes aerobic respiration, fermentation, or both. Put a check (✓) in the appropriate box.

Statement	Aerobic respiration	Fermentation	Both
Oxygen is required for this process to take place.			
This process includes glycolysis, Krebs cycle, and electron transport chain.			
Involves breaking down of glucose to release its energy.			
This process involves quick production of energy.			
Oxygen is not required for this process to take place.			
It takes places only in the cytoplasm of the cell.			
This process takes place both in cytoplasm and mitochondria.			
An essential process for living things to live and thrive.			
Glucose breaks down into alcohol, carbon dioxide and energy.			
Glucose breaks down into carbon dioxide, water, and energy.			
Gases are exchanged in this form of respiration.			
No gas exchange takes place in this form of respiration.			

What do you know about photosynthesis? How do you think this process is related to cellular respiration?
