Using the following list of words, fill in the blanks with the correct term. Some terms may be used more than once.

Glycolysis, Krebs cycle, electron transport chain, pyruvate, ATP, NADH/H', cytoplasm, oxygen, carbon dioxide (CO₂), matrix of mitochondria, FADH₂, proton (H'), gradient, mitochondria, inner membrane, electron carriers, proton (H') pumps, protons (H'), intermembrane space, matrix, electron transport chain, glucose, ATP synthase, phosphate, ADP, greater, diffuse, electrons, chemiosmosis, water.

	and		During
, some of the potenti	ial energy of a primary f	oodstuff, e.g., the su	gar
, is released during a s	series of chemical reacti	ions that occur in the	
of the cell. Glucose, α six-carbon suga	r molecule, is converted	to two molecules of	
, a three-carbon mo	lecule. In addition, a sn	nall amount of the tot	tal energy in
glucose is stored in a few molecules of	, the energy	carrier of the cell, a	nd some high-
energy, electron carriers	Glycolysis do	es not require	and
does not generate the gas			
, the end p	roduct of glycolysis is c		
release of one molecule of carbon diox	roduct of glycolysis is c iide, for further proces:	sing by the	
release of one molecule of carbon diox that occurs in the	product of glycolysis is c tide, for further proces	sing by the In the Krebs cycle :	some high
release of one molecule of carbon diox that occurs in the energy, electron carriers	roduct of glycolysis is c iide, for further process	sing by the . In the Krebs cycle : , and	some high , energy
release of one molecule of carbon diox that occurs in the energy, electron carriers carrier, are generated. Two	roduct of glycolysis is c iide, for further process	sing by the . In the Krebs cycle : , and	some high , energy
, the end p release of one molecule of carbon diox that occurs in the energy, electron carriers carrier, are generated. Two cycle. Glycolysis and the Krebs cycle	oroduct of glycolysis is c tide, for further process and molecules are	sing by the In the Krebs cycle:, and released for each cy	some high, energy cle of the Krebs
release of one molecule of carbon diox that occurs in the energy, electron carriers carrier, are generated. Two	aroduct of glycolysis is c tide, for further process and molecules are	sing by the In the Krebs cycle:, and released for each cy	some high, energy cle of the Krebs y 4 molecules per