I. Cellular Respiration

II. Overviev	w of Aerobic Cellula	r Respiration				
A. The process by which		break down the chemical bonds in				
		(food) to produce		•		
B. ALL	τ	ise cellular respira	tion to r	nake	•	
C. Begin	s with GLUCOSE.					
a.		make glucose.				
b.		have to "eat" glucose.				
D. Chem	ical energy from food	must be converted into a			form of energy.	
a.	Organic molecules are be b	by the intestines.			that can	
b .	These	travel in the blood and .				
c.	c. Cellular respiration takes place within the cell transforming the energy in into					
III. Glycoly	vsis: First Stage of C	Cell Respiration				
A. Splits one molecule of		into	molecu	les of	(pyruvic acid).	
B. Glycolysis is an		(without oxygen) process.				
C. Occurs in the		of the cell.	Cutosol	SATPS	(A)	
D. Takes ENERGY to make		ENERGY!		ie sates	(P) (ADP)	
a.	to break down glucose		k	Î		
ъ.	;NET gain of	to do cell wor	k. 🥇		2 Pyrovate	
c.	, energy carrier n	rrier molecule, also made		(ADP)	ATPS /	
E.	then move to the to produce additional molecules.		ne	(ADP)	ATP3 ATP3	
A. What	Stage of Cell Respi happens after glycoly: Aerobic environmen	sis depends on cel	l conditi	ons.		
b.	b. Anaerobic environment ();		
B. Two pathways are possible: Aerobic Respiration				on; of all ATP Production		

Anaerobic Respiration; of ATP Production