

Photosynthesis & Cellular Respiration Review Worksheet



Name:	on the left with t	Period:Period:	answers only one time			
-	-					
1. Organisms that make the	eir own food	A. Chloroplast	A. ChloroplastsB. AnaerobicC. AerobicD. GlucoseE. ATP			
2. Site of photosynthesis		B. Anaerobic				
3. Process occurs in a mito	chondrion	C. Aerobic				
4. C ₆ H ₁₂ O ₆		D. Glucose				
5. Process does not require	oxygen	E. ATP				
6. Process requires oxygen		F. Kreb's cycle	F. Kreb's cycle			
7. Adenosine diphosphate		G. Glycolysis	G. Glycolysis			
8. Energy storing molecule	;	H. Energy	H. Energy			
9. The anaerobic process of splitting glucose		e I. ADP	I. ADP			
and forming two molecules of p	yruvic acid	J. Autotrophs				
10. The ability to do work		0011 0 00010piio				
Directions: Answer each of the 1. Compare and discuss how cocycle.	~ .		TP. Be specific! You may draw th			
2. Compare lactic acid fermenta to. Be sure to include what type			ng what pyruvic acid is changed in			
	What is pyr	uvic acid changed into?	Organism:			
Alcoholic Fermentation						
Lactic Acid Fermentation						
3. Name the three processes of a	aerobic cellular r	espiration. How many AT	P's does each process produce, and			

what is the total ATP produced from **one** glucose?

3 Processes of Cellular Respiration:	# ATP produced:
To	otal ATP per 1 glucose =

4. Name the two stages of photosynthesis and list the starting molecule(s) and ending molecule(s) of each.

<u>Stages</u>	Starting Molecule(s)		Product(s)		

5. What is the general chemical equation of photosynthesis	5.	What is the	e general	chemical	equation	of 1	photosy	nthesis'	?
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6. When and why does our body use lactic acid fermentation?

7. Explain how the equations for photosynthesis and aerobic respiration compare.