



Photosynthesis & Cellular Respiration Worksheet



Vocabulary: Match the phrases on the left with the term that best fits. Not all terms will be use, and some may be used more than once.

- J 1. Organisms that make their own food
A 2. Site of photosynthesis
G 3. Process occurs in cytoplasm
D 4. $C_6H_{12}O_6$
B 5. Process does not require oxygen
C 6. Process requires oxygen
E 7. Adenosine triphosphate
A 8. Energy storing molecule
G 9. The anaerobic process of splitting glucose and forming two molecules of pyruvic acid
H 10. The ability to do work

- A. Chloroplasts
B. Anaerobic
C. Aerobic
D. Glucose
E. ATP
F. Kreb's cycle
G. Glycolysis
H. Energy
I. ADP
J. Autotrophs

11. Fill out the table below:

	Cellular Respiration (Reactants and Products: see equation on the board)	Photosynthesis
Reactants	$C_6H_{12}O_6 + 6O_2$	$6H_2O + 6CO_2 + \text{Sun}$
Products	$6CO_2 + 6H_2O + 36 \text{ ATP}$	$C_6H_{12}O_6 + 6O_2$
What organelle?	mitochondria	chloroplast

12. Use the picture to the right to help you describe the relationship between photosynthesis and cellular respiration:

products of CR are reactants of P

13. What kind(s) of organisms perform photosynthesis?

~~heterotrophs~~ autotrophs

14. What kind(s) of organisms perform cellular respiration?

heterotrophs & autotrophs

