Name: _____ Date: _____

Cellular Respiration and Photosynthesis

1. Type of respiration that takes place in the presence of oxygen
2. type of respiration that takes place when there is no oxygen
3. phosphorylation that transfers P from organic molecule to ADP
4. free Pi attached to ADP
5. what is reduced in cellular respiration
6. what is oxidized in cellular respiration
7. NAD+ is _____ to NADH
8. allosteric regulatory enzyme in glycolysis
9. product of energy investment phase of glycolysis
10. final product of glycolysis
11. enzyme that turns pyruvate into Acetyl CoA
12. binds with the acetyl group to form Citrate in CAC
13. ATP synthase is powered by this gradient
14. final electron acceptor of cellular respiration
15. what is reduced in photosynthesis
16. what is oxidized in photosynthesis
17. one individual pancake in a chloroplast
18. one stack of pancakes in a chloroplast
19. synthesis of ATP and NADPH
20. process where CO2 becomes 3PG
21. process where 3PG becomes G3P
22. process where remaining G3P become Rubisco
23. where P680 is found
24. where P700 is found
25. where do replacement electrons come from for P680

A. Photosystem II
B. Carbon fixation
C. Glucose
D. ETC
E. oxaloacetate
F. Thylakoid
G. Photosystem I
H. Pyruvate
I. oxygen
J. Reduction
K. Aerobic
L. Photophosphorylation
M. Anaerobic
N. reduced
O. Regeneration
P. proton
Q. Water
R. Carbon dioxide
S. Coenzyme A
T. Oxygen
U. H20
V. Substrate
W. Oxidative
X. phosphofructokinase
Y. G3P

26. where do replacement electrons come from for P700

Z. Granum