

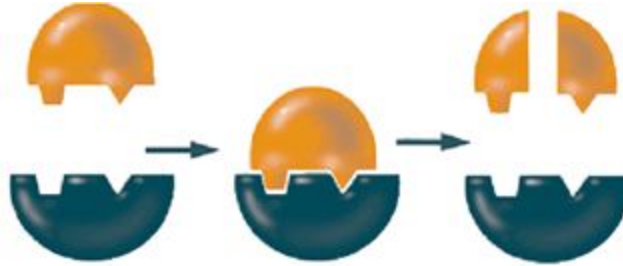
Study Guide: Enzymes/Photosynthesis/Respiration

1. Catalyst -
2. Enzyme -
3. Activation Energy -
4. Substrate -
5. Active Site -
6. Lock and Key Model -
7. Induced Fit Model -
8. Reactants -
9. Products -
10. ATP -
11. Photosynthesis -
12. Chlorophyll -
13. Chloroplast -
14. Thylakoid -
15. Glucose -
16. Cellular Respiration -
17. Mitochondria -
18. Aerobic -
19. Anaerobic -
20. Fermentation -
21. Lactic Acid Fermentation -

22. Denature -

23. Activation Energy -

24. On the enzyme below, label the following: Enzyme, substrate, active site, products.



25. What is the overall purpose of photosynthesis?

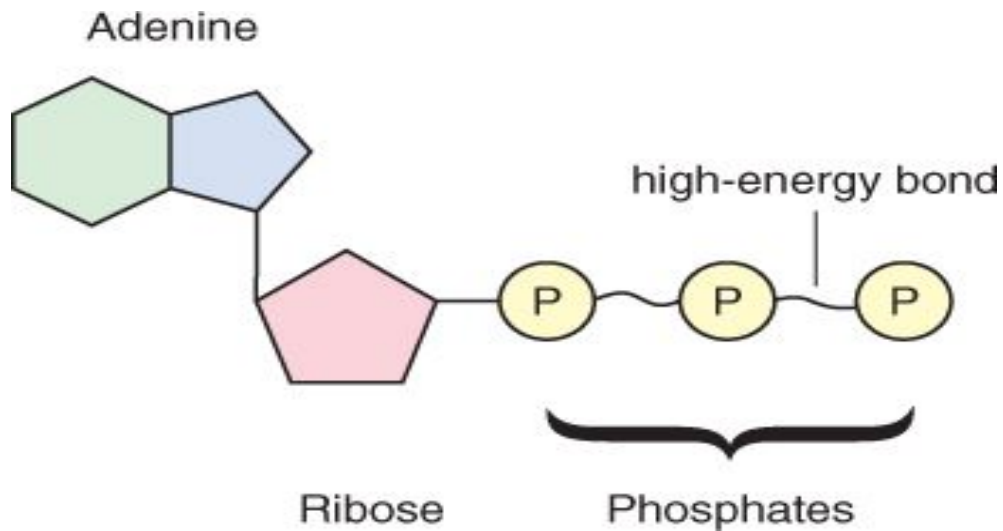
26. What is the overall purpose of cellular respiration?

27. What factors could cause an enzyme to denature?

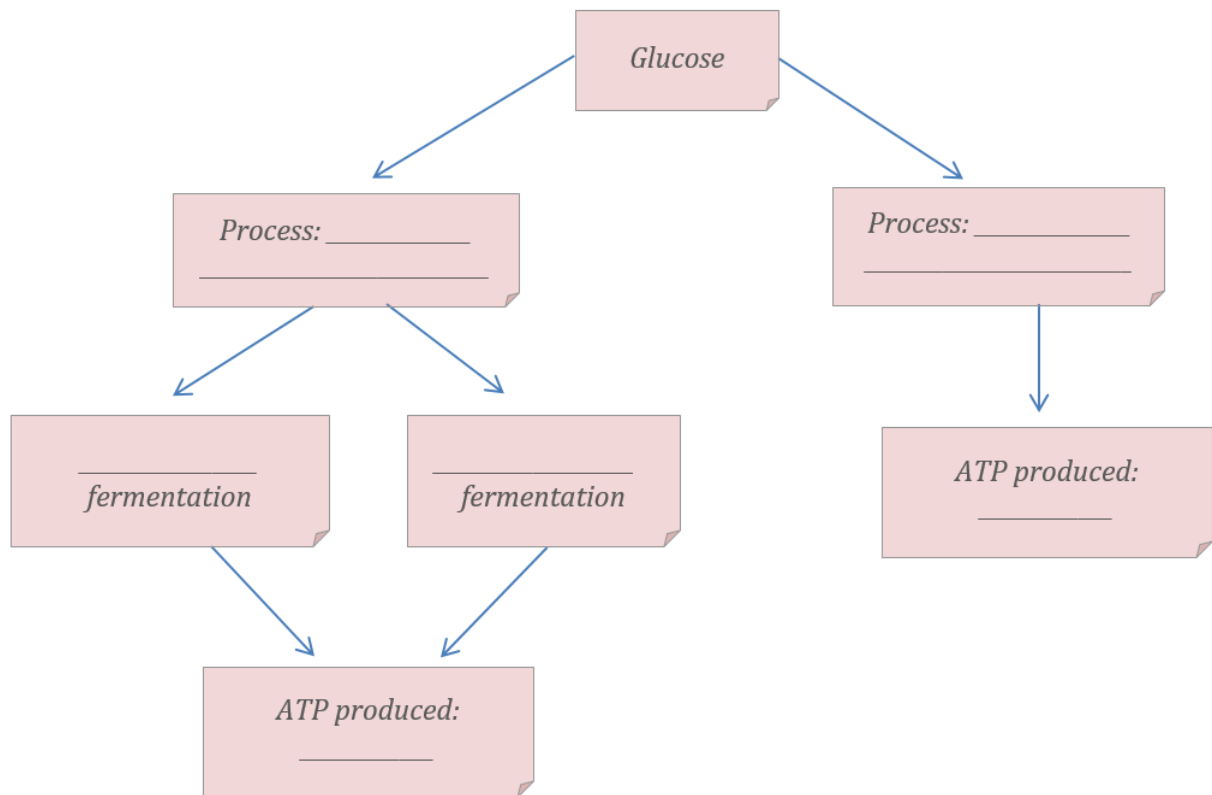
28. Fill out the chart below with the appropriate terms:

	Photosynthesis	Respiration
Where?		
When?		
Full formula		
Reactants		
Products		
Energy Source		
Energy Result		

29. Fill in the blanks on the diagram:



30. Fill out the chart below with the appropriate terms:



31. What type respiration do muscle cells use when they run low on oxygen? What do they produce as a byproduct? Explain what happens to your body as a result.

