

## Cellular Respiration Diagrams

1. Cellular respiration: It's all about...

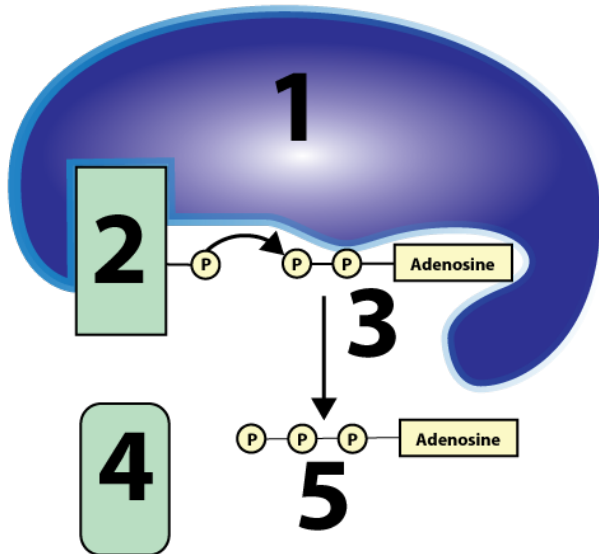
2. Useful abbreviations:

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- 
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3. Two ways to make ATP

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4. Substrate Level Phosphorylation



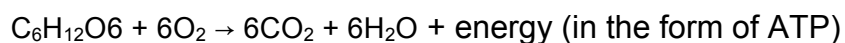
5. But most ATP is made by

- 
- 

6. Redox review:

- Oxidation:
- Reduction:

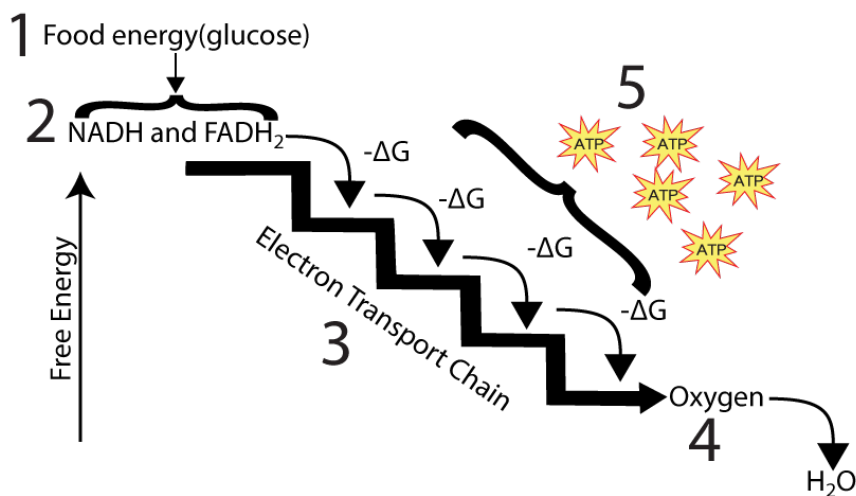
7. Oxidation and Reduction Reactions to Know



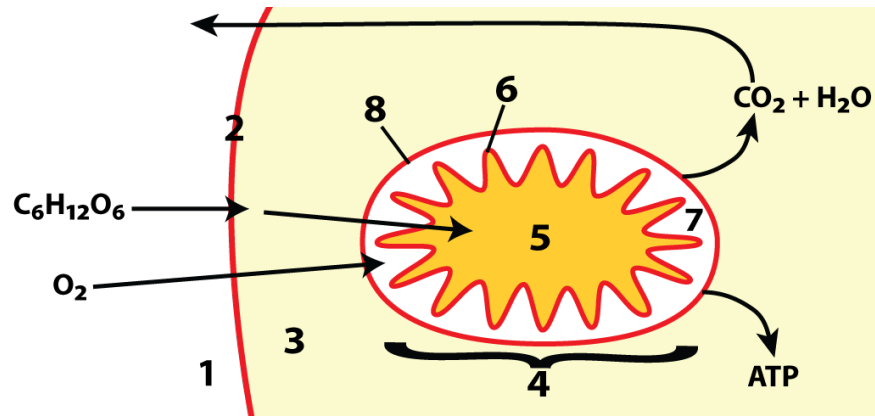
## 8. The cell's mobile electron carriers



## 9. Electron Flow in Cellular Respiration

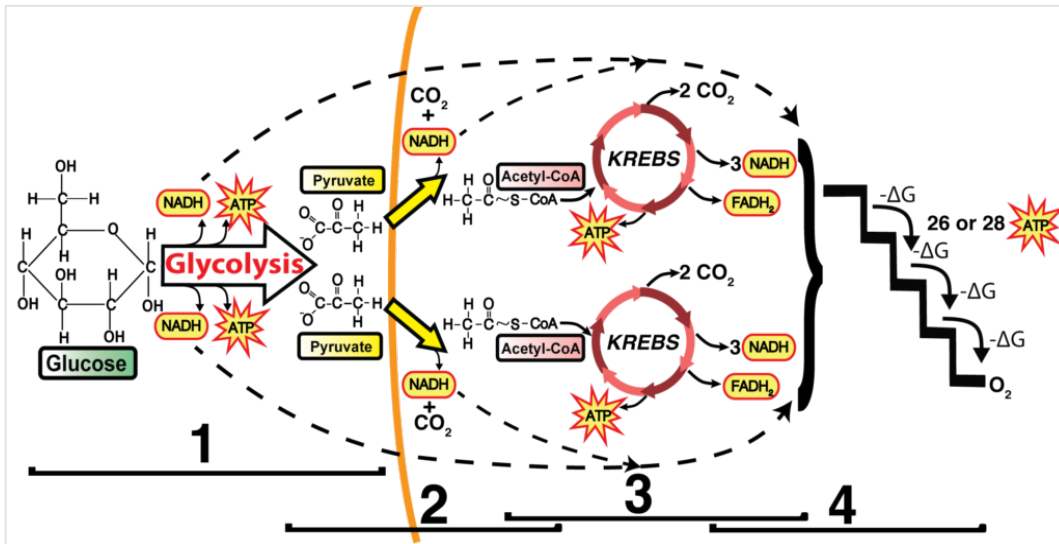


## 10. Cellular Context

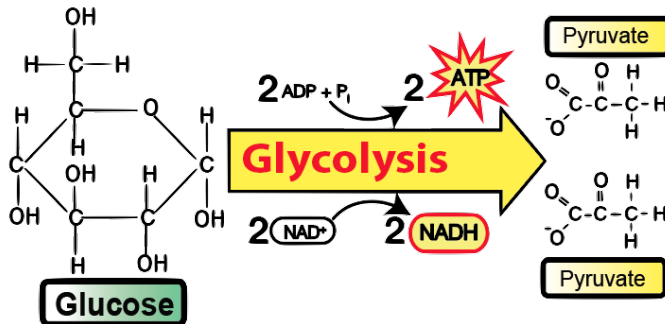


CONSOLIDATING WHAT YOU'VE LEARNED:

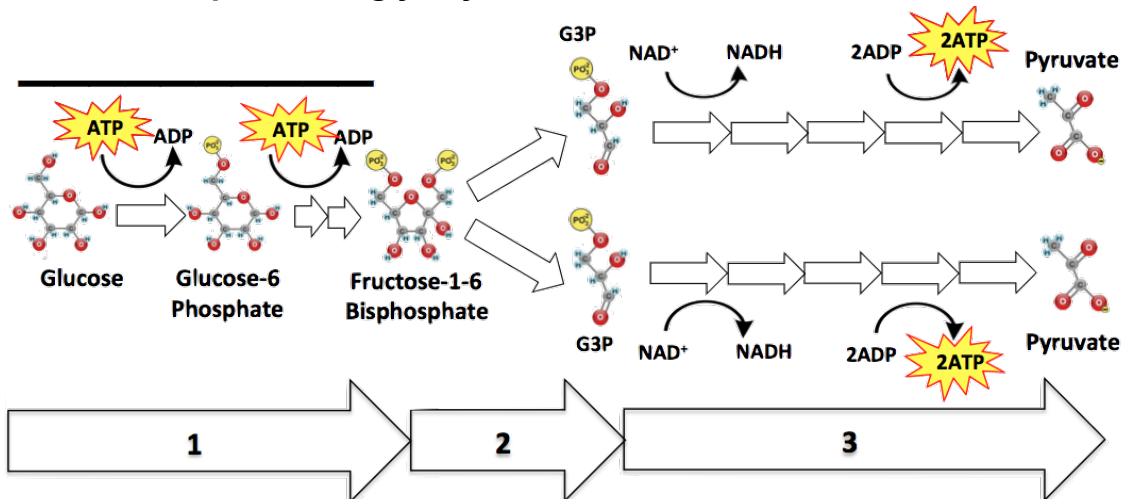
## 11. Four Phases of Cellular Respiration



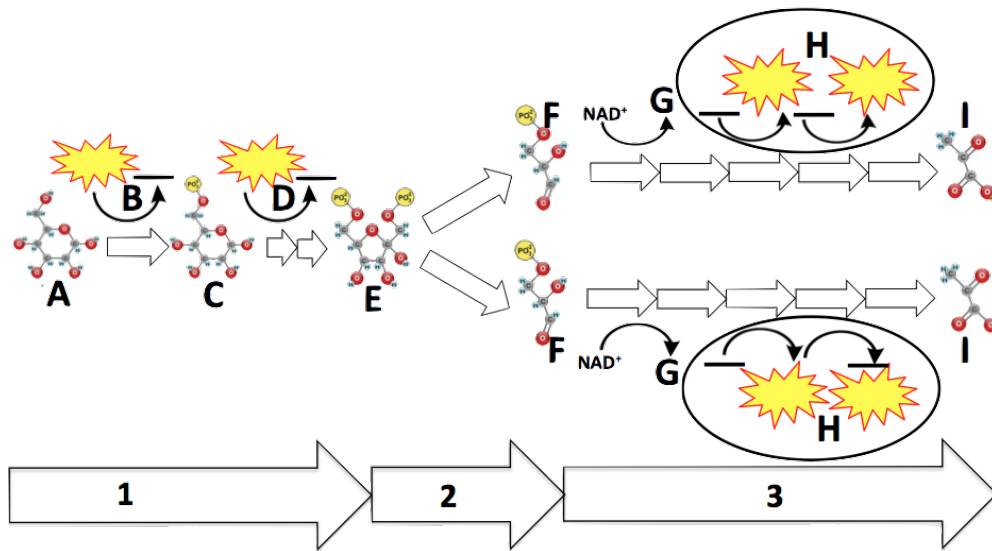
## 12. Very Simplified Glycolysis



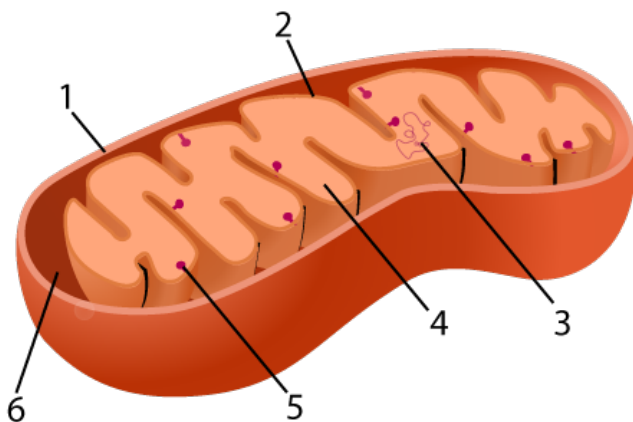
## 13. The three phases of glycolysis



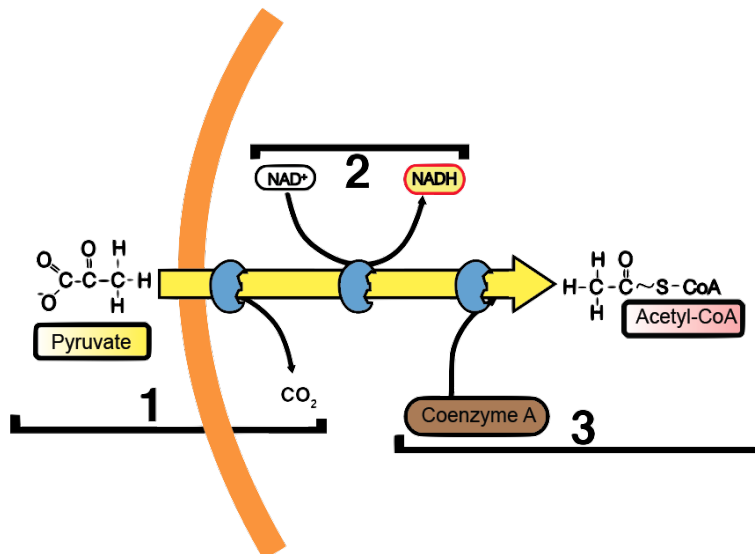
## 14. Glycolysis Study Diagram



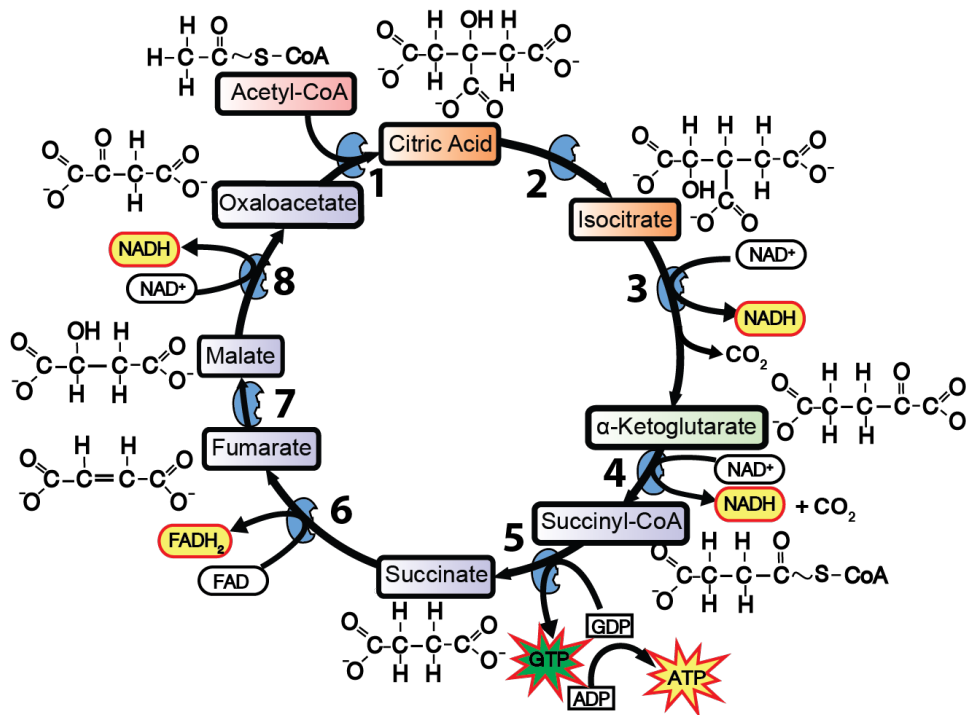
## 15. Mitochondria: More detailed structure



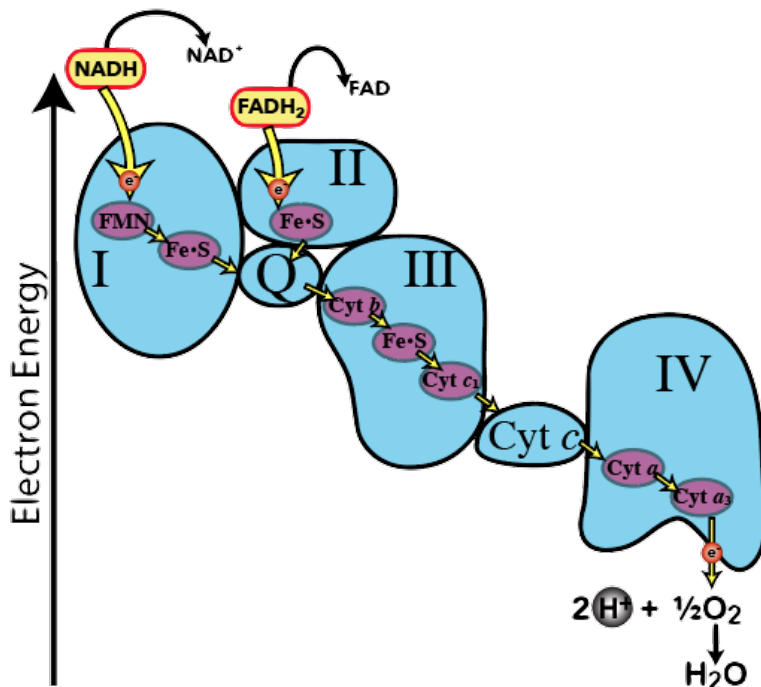
## 16. The Link Reaction



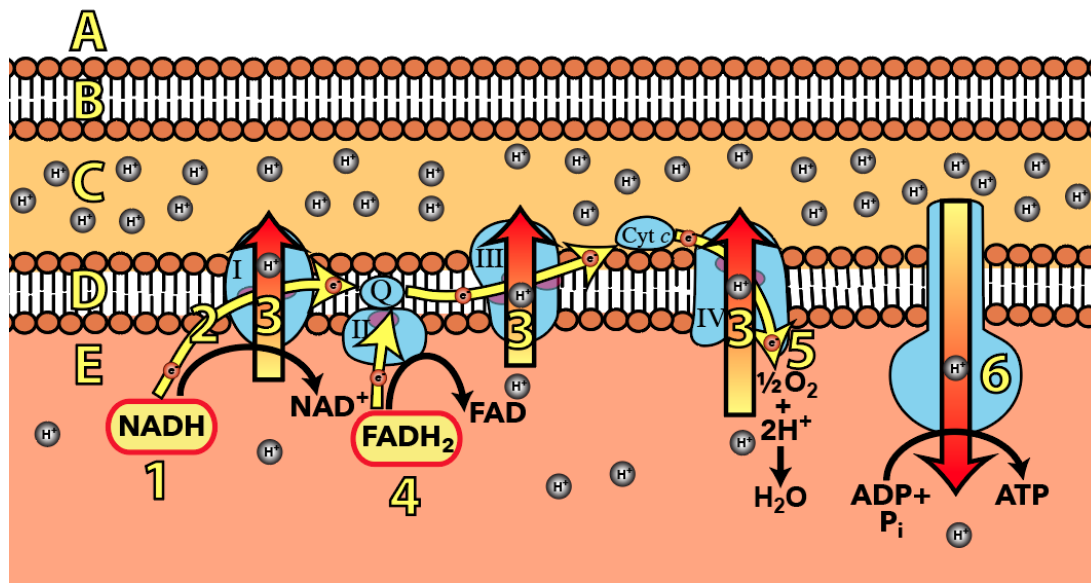
## 17. The Krebs Cycle



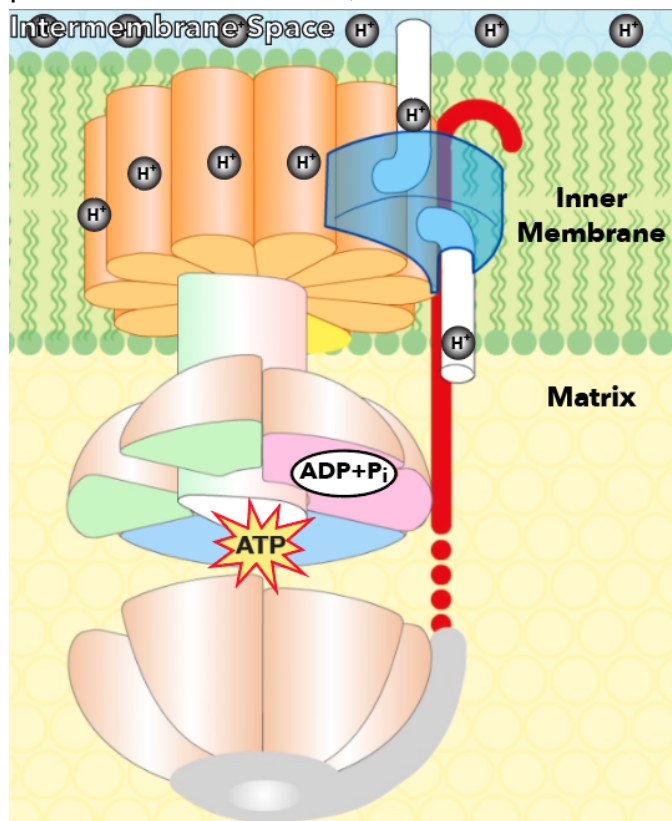
## 18. Electron Flow in the Electron Transport Chain: Conceptual View



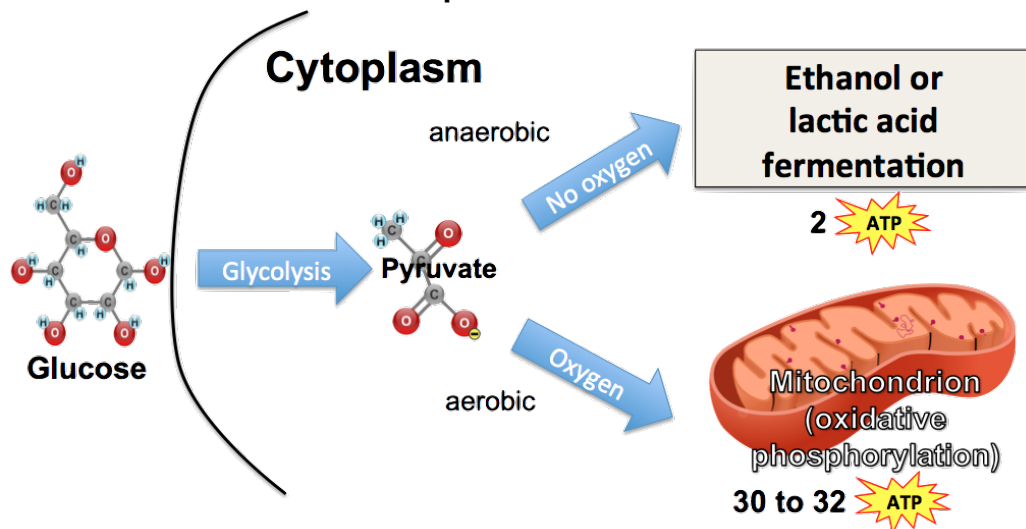
## 19. The Electron Transport Chain: Cellular View



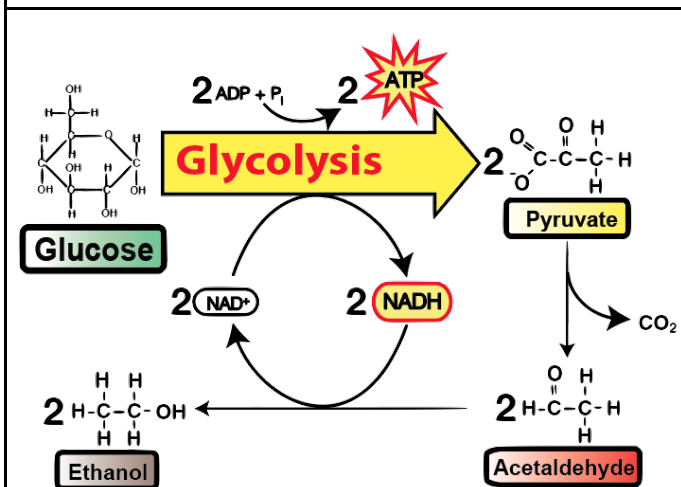
## 20. ATP Synthase (slightly modified version of an image created by Donald Nicholson. Used by permission of the IUBMB, the International Union of Biochemistry and Molecular Biology)



## 21. Aerobic v. Anaerobic Respiration



### 22. Alcohol Fermentation



### 23. Lactic Acid Fermentation

