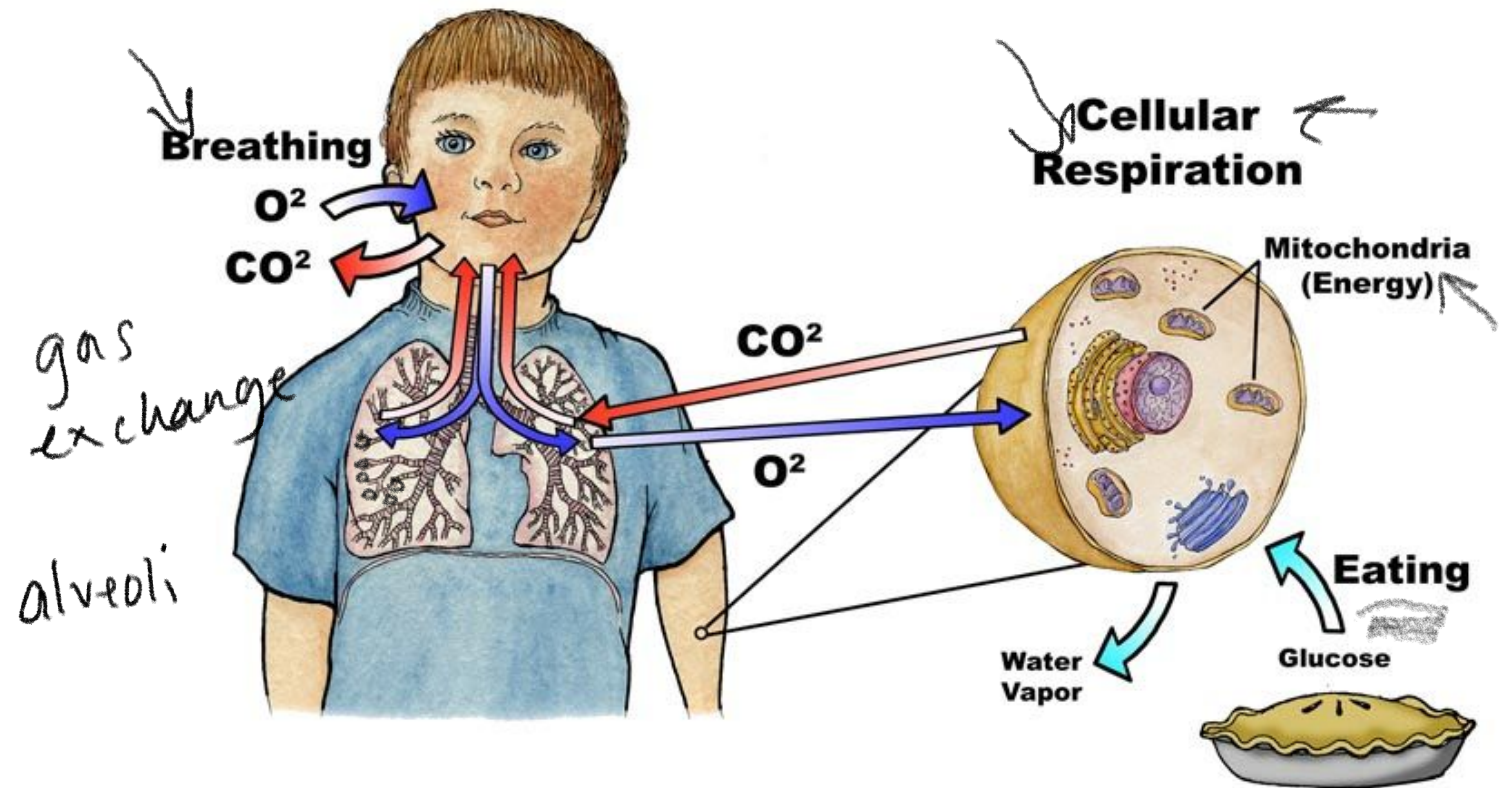
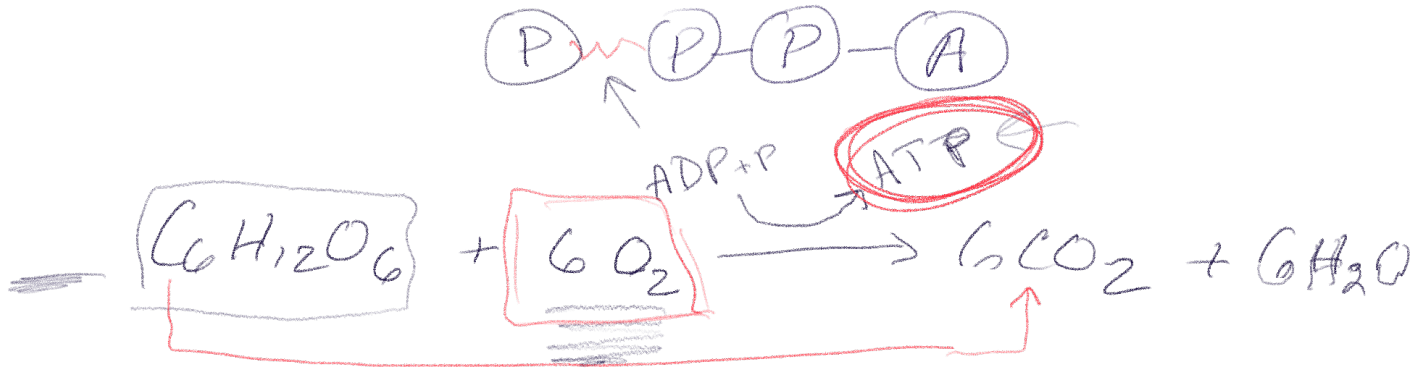
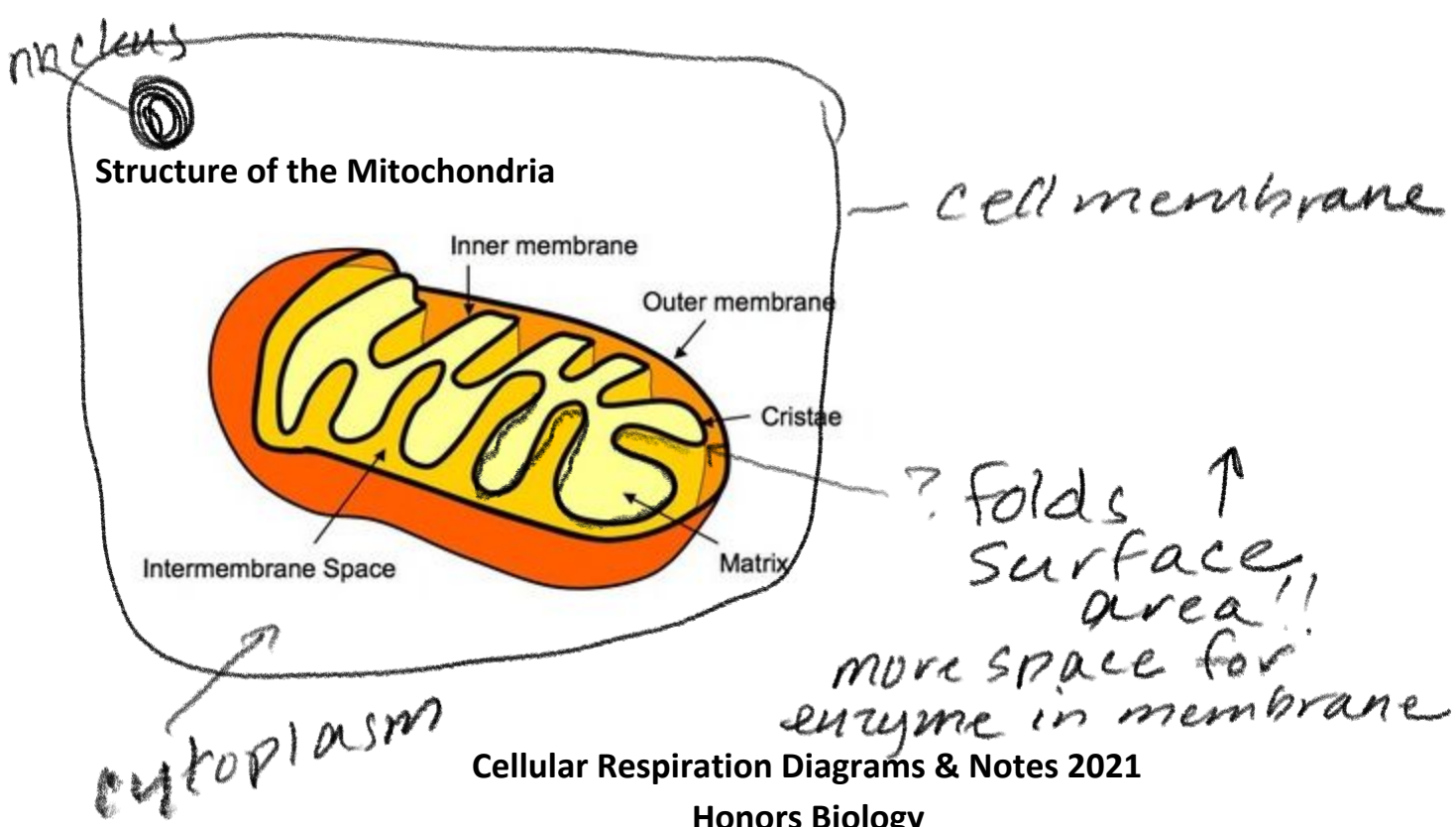


Cellular Respiration: Class Notes

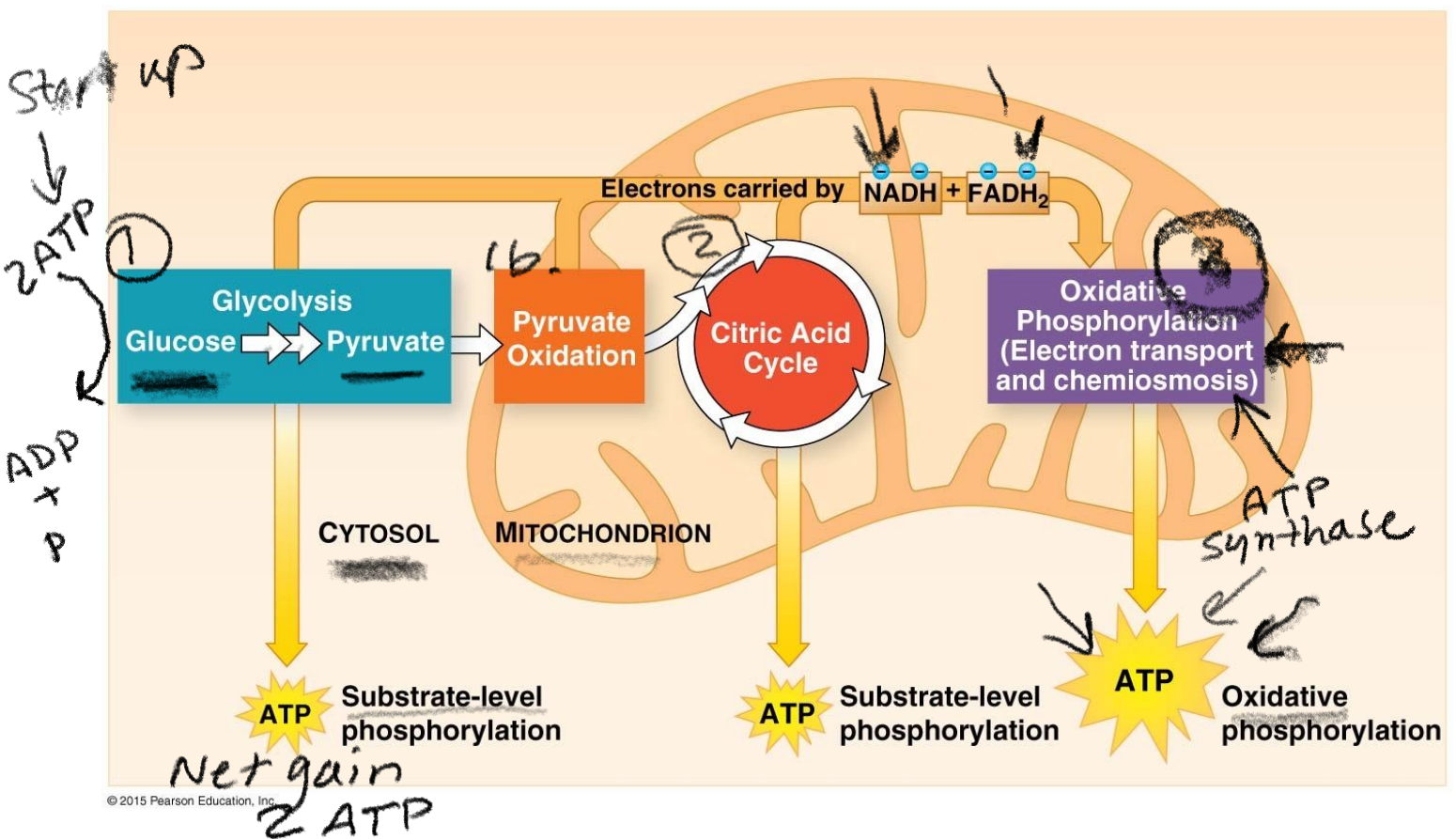
What is the overall purpose of Cellular Respiration?

Energy in glucose (C-C) bonds
is transferred into ATP bonds



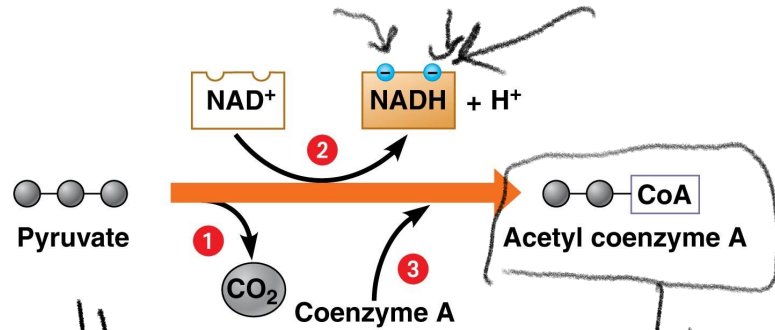
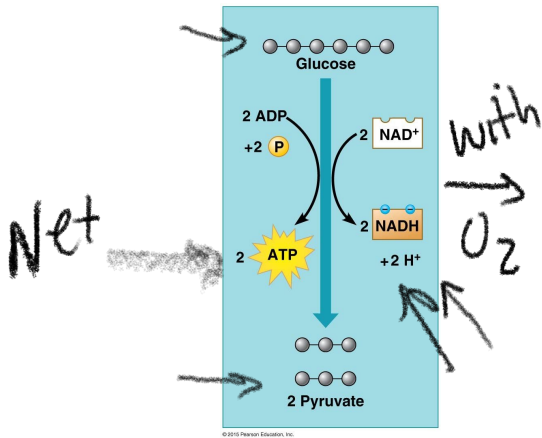


1. Overview of Cellular Respiration: Look at the diagram below. What conclusions about cellular respiration can you draw? List as many as you can!



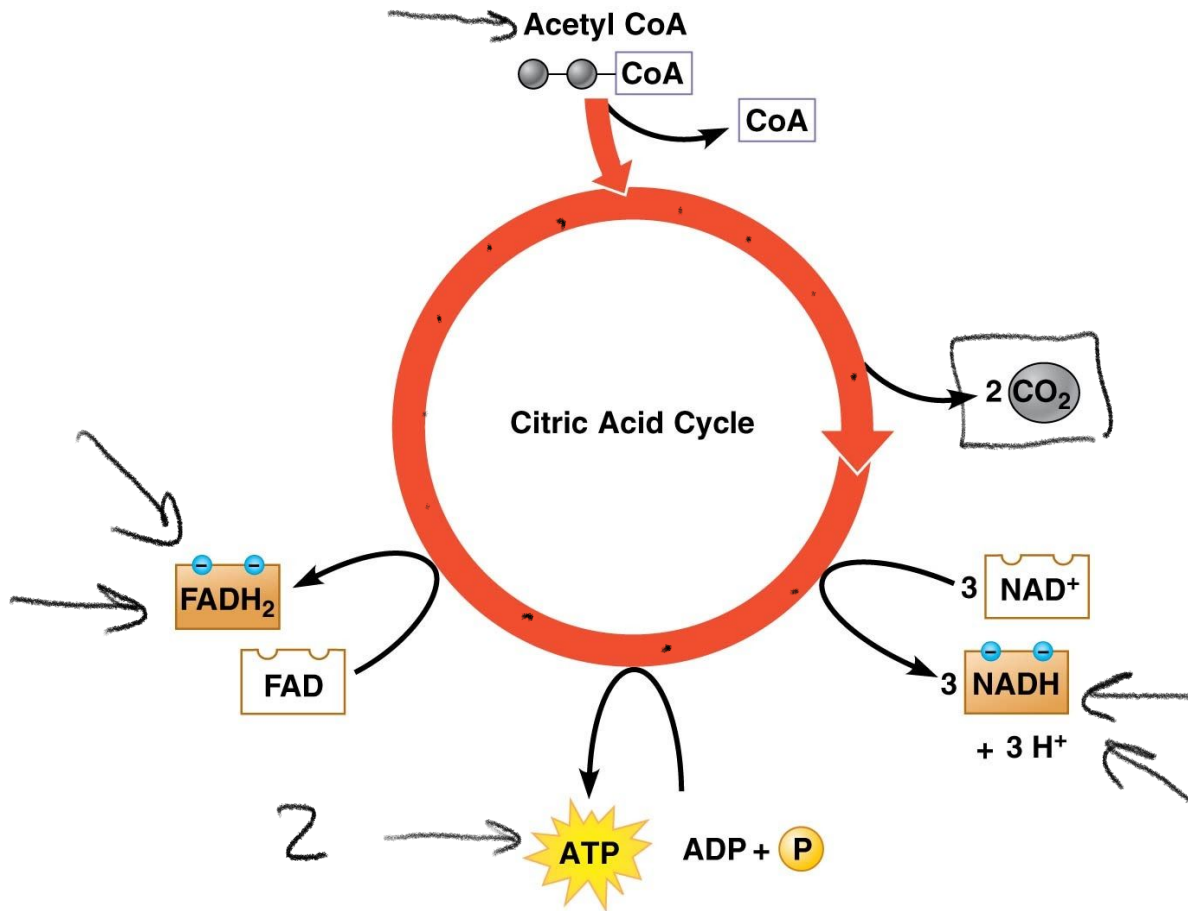
① cytoplasm

2. Glycolysis and pyruvate oxidation reaction summary. What is being oxidized? Reduced?

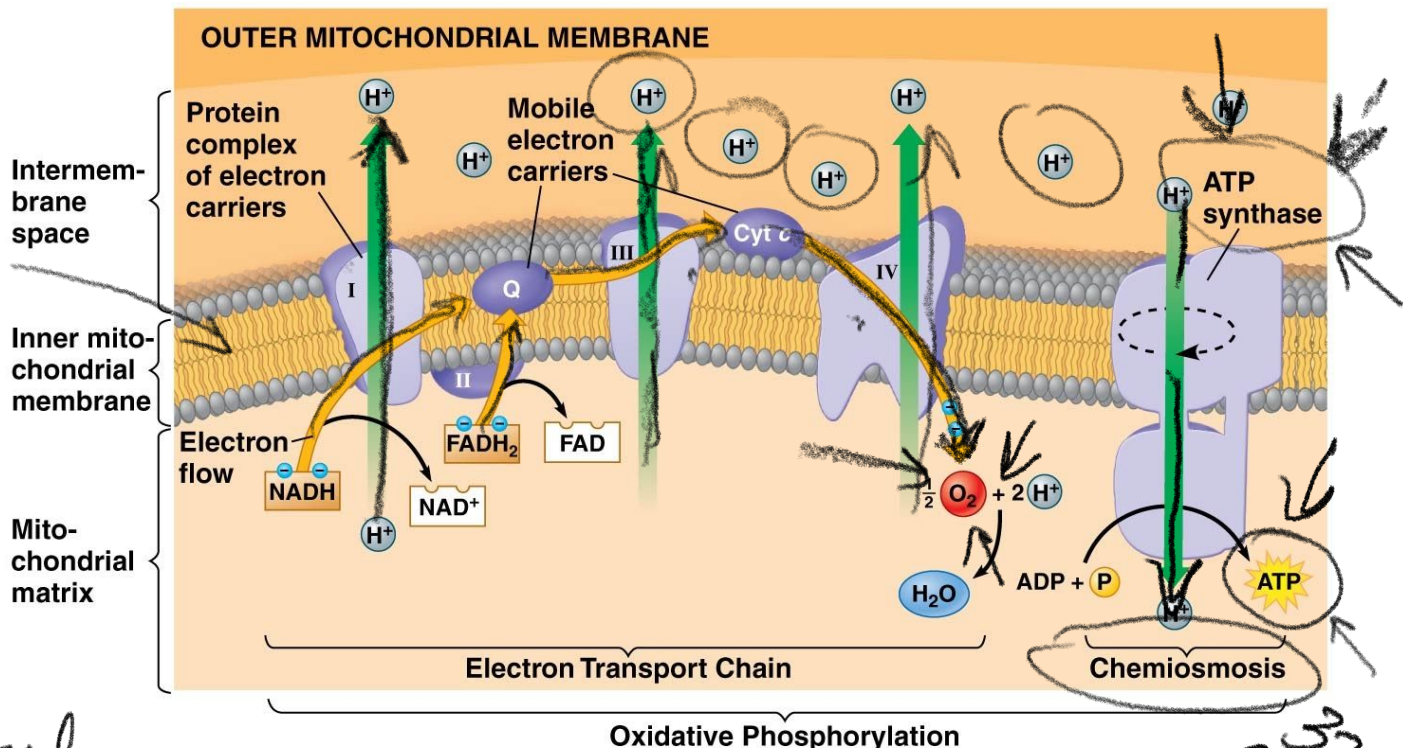


enter Krebs (Citric Acid cycle)

3. Citric Acid Cycle Overview: What are the main goals of the citric acid cycle? What are the inputs? The outputs?



4. **Oxidative Phosphorylation Summary:** What do the gold arrows represent? What is the purpose of chemiosmosis here? What are the similarities you can find between this and the light reactions in the thylakoids?



Total
36-38 ATP

O₂ = final e⁻ acceptor
form H₂O

32
ATP

What happens when there is no Oxygen present?

