

Explain how electrons from NADH and FADH₂ flow through the electron transport chain with the production of ATP

- _____ is passed from one carrier to another along the chain
- NADH transfers _____ atom to complex I
- and NADH is _____ into NAD⁺
- Electron from complex I is transfer to _____
- FADH₂ transfers electron to _____
- FADH₂ oxidized to _____
- And then to the series of cytochrome and lastly to complex IV
- Complex IV passes its electron to the final electron acceptor _____
- Oxygen combines with _____ and _____ to form _____
- Carrier molecule that receives electron is _____
- Carrier molecule which donated electron is _____
- Electron transfer involves _____ reaction
- _____ is _____ during transportation of electron
- Is used to _____ proton from matrix of _____ to the _____ space
- Resulting in _____ concentration of _____ in the intermembrane space
- Create proton gradient
- Causing the proton to _____ back into matrix of _____
- Via _____ synthase
- This process is known as _____
- Energy released during this process is used to synthesize _____ by _____ phosphorylation
- Every NADH produces _____ ATP
- Every FADH₂ produces _____ ATP