Electron Transport Chain

releases H+ions into the

passes off electrons.

intermembrane space and

In Complex I, NADH from glycolysis and Krebs cycle is oxidized to NAD+. It passes off 2 passes off 2 electrons and H+ions are pumped into the intermembrane space.

Electrons from Complex I and Complex II are transferred to a carrier called ubiquinone Q. This molecule carries the electrons to Complex III.

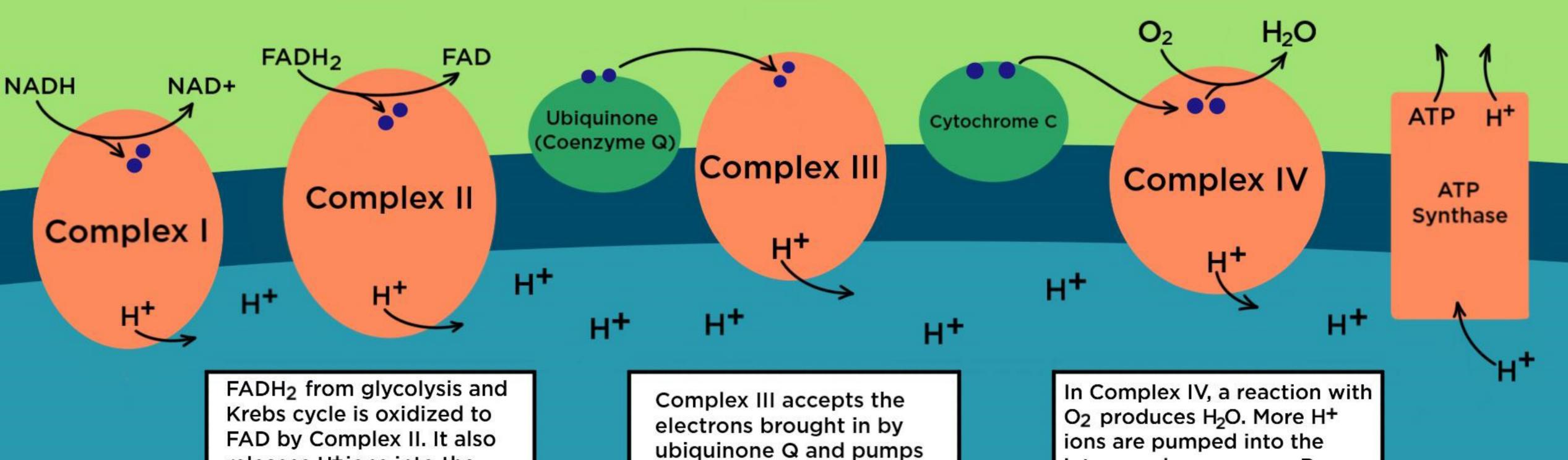
Electrons in Complex III are picked up by cytochrome C, another carrier molecule. This molecule carries the electrons to Complex IV.

intermembrane space. By

ions is very high.

now, the concentration of H+

H⁺ions need to cross the membrane to balance the concentration gradient. They use ATP Synthase to do this. As the ions pass through, the pump makes ATP.



more H+ ions into the

intermembrane space.