The diagram illustrates the electron transport chain (ETC) within the mitochondrial membrane, specifically focusing on the complex I (NADH dehydrogenase) and complex IV (cytochrome c oxidase). The ETC involves the transfer of electrons from NADH to oxygen, ultimately producing water.

Key components include:
- **NADH**: Donates electrons to the ETC.
- **Complex I (NADH dehydrogenase)**: Converts NADH to NAD+ and transfers electrons to oxygen.
- **Complex IV (cytochrome c oxidase)**: Final oxidase in the ETC, converting oxygen to water.
- **Cytochrome c**: Transports electrons between complex I and complex IV.
- **Oxygen (O₂)**: Accepts electrons to form water.
- **NAD+ and NADH+H+**: Redox pairs involved in electron transfer.
- **CTBT**: Electron carrier within the complex.

The diagram shows the flow of electrons through the ETC, starting with NADH and ending with the formation of water (H₂O).