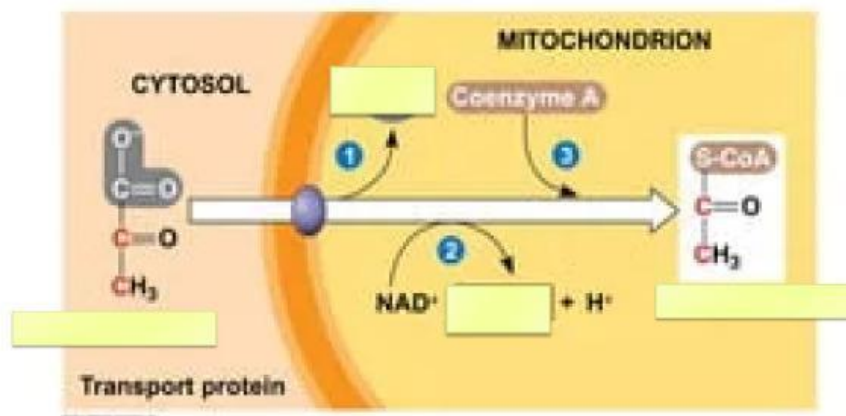


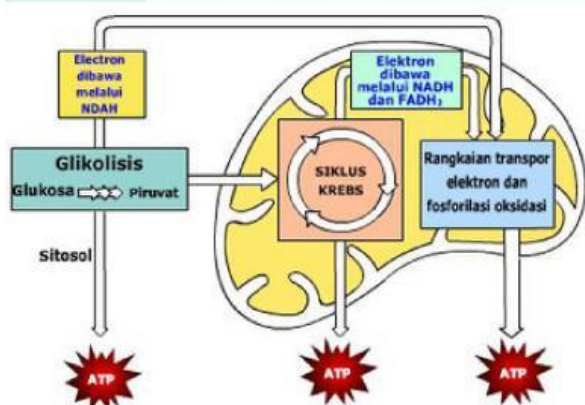
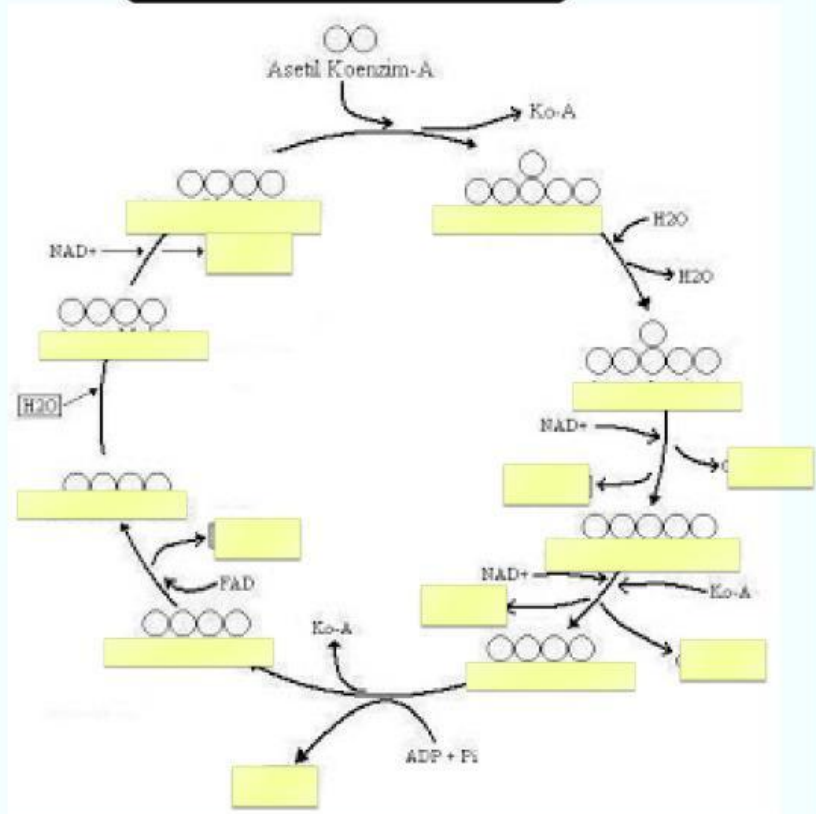
KATABOLISME: RESPIRASI AEROB

Nama : Kelas :

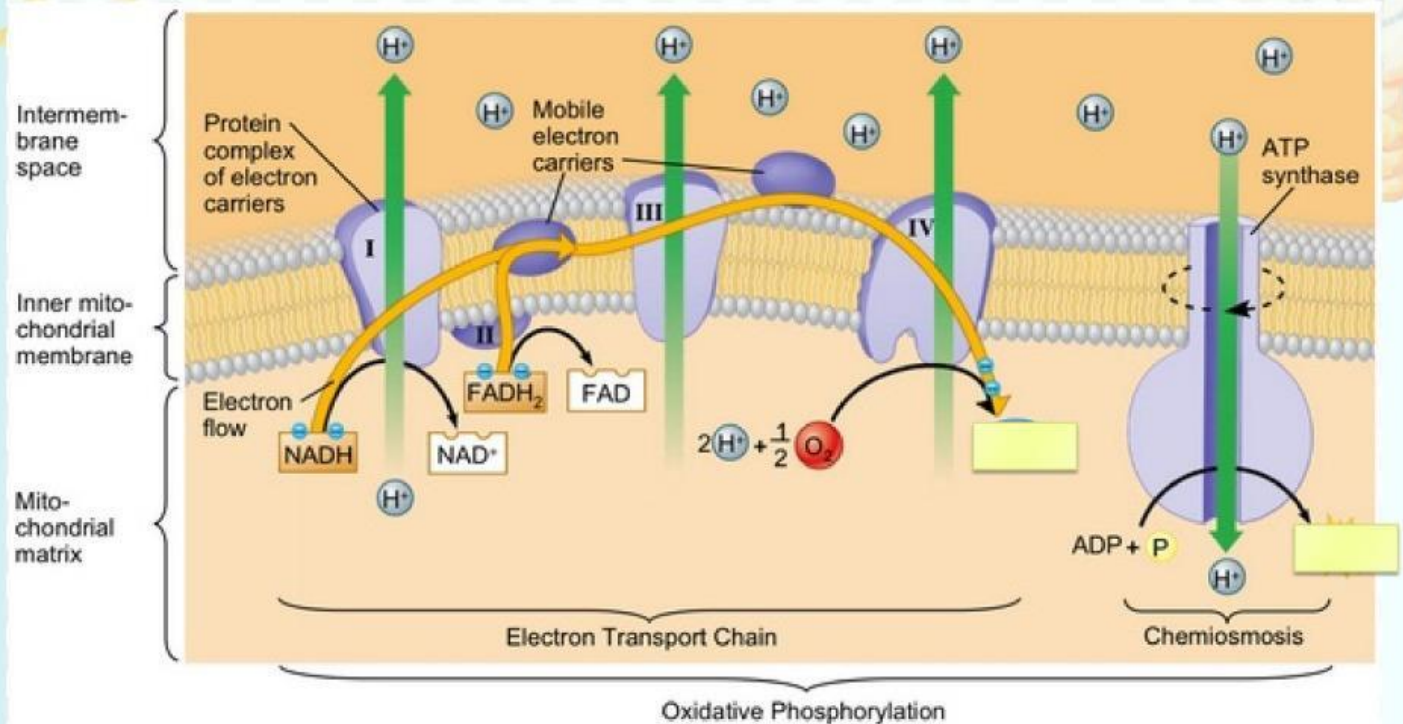
TAHAP DEKARBOKSILASI OKSIDATIF



SIKLUS KREBS



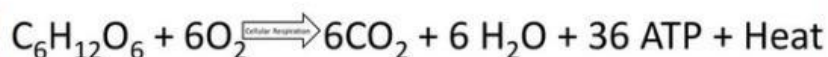
TRANSPOR ELEKTRON



No.	TAHAPAN RESPIRASI AEROB			
	Nama Reaksi	Lokasi Terjadinya	Bahan yang Digunakan	Produk Akhir
1	Glikolisis	Sitoplasma	Glukosa	2 ATP 2 Asam Piruvat 2 NADH
2	Dekarboksilasi Oksidatif	Matriks mitokondria	2 Asam Piruvat	2 Asetil Ko-A 2 CO ₂ 2 NADH
3	Siklus Krebs	Matriks mitokondria	2 Asetil Ko-A	2 ATP 4 CO ₂ 6 NADH 2 FADH ₂
4	Transpor Elektron	Membran dalam mitokondria (krista)	10 NADH 2 FADH ₂	34 ATP 6 H ₂ O

Cellular Respiration

Turning sugar into usable energy (ATP)



Glucose/Sugar + Oxygen $\xrightarrow{\text{Cellular Respiration}}$ Carbon Dioxide + Water + Stored Energy + Heat
 (Food that we eat) (Inhale) (Exhale) (Exhale) (Used by body) (Used by body)

Total ATP

Sistem ulang-alik malat aspartat:

Sistem ulang-alik gliserol fosfat:

Total CO₂:

Total H₂O: