		What it ScenariosATP Production			
	Situation	Response			
1	After glycolysis, only 1 molecule of pyruvate enters the mitochondrial matrix. Assume one glucose enters glycolysis.	CG 2 NADH TO THE PO KC 3 NADH TO THE PO THADH TO	21 ATP Hol		
2	The inner mitochondrial membrane is disrupted such that it no longer controls what enters/exits the matrix. Assume one glucose enters glycolysis.	HE ATP  2 NADH - 7 D  2 NADH - 7 D  2 NADH - 7 D  2 TADH - 7 D  2 TADH - 7 D	4 ATP Hotal		
3	NADH dehydrogenase is removed from the ETC. Assume one glucose enters glycolysis.	HE ATP  2 NADH -> 4  PO 2 NADH -> 0  KC 6NADH -> 0  2 TADH2 -> 4	12 ATP +otal		
4	Cytochrome oxidase complex is removed form the ETC. Assume one glucose enters glycolysis.	HE ATTP  2 NADH - 2  PO. 2 NADH - 2  KC 6 NADH - 5  ZTADH2 - 5	4 Holal		