		what it ScenariosATP Production				
	Situation	Response				
1	After glycolysis, only 1 molecule of pyruvate enters the mitochondrial matrix. Assume one glucose enters glycolysis.	2 NADH 7 2 PO KC 3 NADH 7 2 1 FADH 2 7 2	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	4ATP Hotal			
3	NADH dehydrogenase is removed from the ETC. Assume one glucose enters glycolysis.	HE ATP $ \begin{array}{cccccccccccccccccccccccccccccccccc$	8 or 12 ATP + Had			
4	Cytochrome oxidase complex is removed form the ETC. Assume one glucose enters glycolysis.	HE ATTP 2 NADH - D 2 NADH - D KC 6 NADH - D 2 TADH 2 - D X	4pmp Holal			