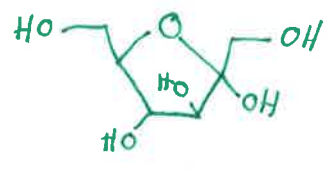


NAME: Key

Stressed (Cardiac Myocyte)	Increasing	Decreasing	N/A
Flux through GLUT2			X
Flux through GLUT4		X	
PFK-2/F-2,6-BPase Phosphorylation	X		
PFK-1 activity	X		
PFK-2 activity	X		
F-2,6-BPase activity		X	
[F-2,6-BP]	X		
Pyruvate kinase phosphorylation			X
Pyruvate kinase activity	X		
Flux through glycolysis	X		

1. Draw α -D-fructose.



2. What are the net products within the cytoplasm of a cardiac myocyte when fructose is catabolized (broken down) via the glycolytic pathway?

+ 2 pyruvate
+ 2 NADH
+ 2 ATP

3. What enzyme or enzymes of glycolysis are skipped?

phosphoglucose isomerase