

NAME: _____

Quiz 31

| Fed Cardiac Myocyte | Increasing | Decreasing | N/A |
|--|------------|------------|-----|
| Blood glucose | | | |
| Blood [Insulin] | | | |
| Insulin Receptor Signal | | | |
| Blood [Glucagon] | | | |
| Glucagon Receptor Signal | | | |
| Flux through GLUT2 | | | |
| Flux through GLUT4 | | | |
| Flux through glycolysis | | | |
| Flux through gluconeogenesis | | | |
| Phosphorylation-Phosphofructokinase-2 | | | |
| Activity-Phosphofructokinase-2 | | | |
| Phosphorylation-Fructose-2,6,-bisphosphatase | | | |
| Activity-Fructose-2,6,-bisphosphatase | | | |
| [fructose-2,6-bisphosphate] | | | |
| Flux through glycogenesis | | | |
| Flux through glycogenolysis | | | |
| Phosphorylation-glycogen synthase | | | |
| Activity-glycogen synthase | | | |
| Phosphorylation-glycogen phosphorylase | | | |
| Activity-glycogen phosphorylase | | | |
| Flux through the Pentose Phosphate Pathway | | | |
| Transport of acyl-CoA into mitochondria | | | |
| Transport of citrate into cytoplasm | | | |
| Phosphorylation of acetyl-CoA carboxylase | | | |
| Activity of acetyl-CoA carboxylase | | | |
| [malonyl-CoA] | | | |
| fatty acid synthesis | | | |
| ketone body synthesis | | | |
| flux of alanine to pyruvate | | | |