

NAME: _____

Quiz 14

| Fed Hepatocyte | 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 | | | |

| 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 | | | |