

NAME: _____

Quiz 15

Before you ate lunch, within your hepatocytes:

- a. Was the [glucose] in your blood increasing, decreasing, or N/A?
- b. Was the [insulin] in your blood increasing, decreasing, or N/A?
- c. Was the [glucagon] in your blood increasing, decreasing, or N/A?
- d. Was the [cAMP] in your hepatocytes increasing, decreasing, or N/A?
- e. Which transporter was used to move glucose across the cell membrane? GLUT1 GLUT2 GLUT3 GLUT4
- f. Was the [glucokinase] increasing, decreasing, or N/A?
- g. Was the level of phosphorylation of PFK-2/F-2,6-BPase increasing, decreasing, or N/A?
- h. Was the [fructose-2,6-bisphosphate] increasing, decreasing, or N/A?
- i. Was the activity of PFK-1 increasing, decreasing, or N/A?
- j. Was flux through glycolysis increasing, decreasing, or N/A?
- k. Was the level of phosphorylation of glycogen synthase increasing, decreasing, or N/A?
- l. Was the activity of glycogen synthase increasing, decreasing, or N/A?
- m. Was the level of phosphorylation of glycogen phosphorylase increasing, decreasing, or N/A?
- n. Was the activity of glycogen phosphorylase increasing, decreasing, or N/A?
- o. Was the [glycogen] increasing, decreasing, or N/A?
- p. Was the activity of fructose-1,6-bisphosphatase increasing, decreasing, or N/A?
- q. Was flux through gluconeogenesis increasing, decreasing, or N/A?

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- f. Was the [glucokinase] increasing, decreasing, or N/A?
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- h. Was the [fructose-2,6-bisphosphate] increasing, decreasing, or N/A?
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- o. Was the [glycogen] increasing, decreasing, or N/A?
- p. Was the activity of fructose-1,6-bisphosphatase increasing, decreasing, or N/A?
- q. Was flux through gluconeogenesis increasing, decreasing, or N/A?