

NAME: _____

March 29 , 2013

Imagine that you've been fasting for hours:

[insulin] is **INCREASED/DECREASED** and [glucagon] is **INCREASED/DECREASED**

[cAMP] is **HIGH/LOW**

[Fructose-2,6-bisphosphate] is **HIGH/LOW**

Phosphofruktokinase-2 is **PHOSPHORYLATED/DEPHOSPHORYLATED** and **ACTIVE/INACTIVE**

Phosphofruktokinase-1 is **ACTIVE/INACTIVE**

Fructose-1,6-bisphosphatase is **ACTIVE/INACTIVE**

Glycogen synthase is **PHOSPHORYLATED/DEPHOSPHORYLATED** and **ACTIVE/INACTIVE**

Glycogen phosphorylase is **PHOSPHORYLATED/DEPHOSPHORYLATED** and **ACTIVE/INACTIVE**

Hormone-sensitive lipase is **PHOSPHORYLATED/DEPHOSPHORYLATED** and **ACTIVE/INACTIVE**

Acetyl-CoA carboxylase is **PHOSPHORYLATED/DEPHOSPHORYLATED** and **ACTIVE/INACTIVE**

HMG-CoA reductase is **PHOSPHORYLATED/DEPHOSPHORYLATED** and **ACTIVE/INACTIVE**

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