

Name: _____

Date: _____

- [2 pt] 1. What molecule links the EMP with the Citric Acid Cycle?
- [6 pt] 2. Sketch the reaction pyruvate to Acetyl-CoA. What molecule is oxidized? What molecule is reduced? Does the body gain or lose energy? Draw an arrow to the thioester bond.
- [3 pt] 3. What is the net reaction for the Citric Acid Cycle.
- [4 pt] 4. What are two reasons that metabolic pathways involve many steps (instead of performing the reactions in one step like in chemistry)?
- [3 pt] 5. Define "hormones". What type of compounds can be hormones?
- [3 pt] 6. Why might glucose be considered a "central" molecule?
- [4 pt] 7. Briefly describe the interaction between Blood Glucose and the Hormones that control it.

