Name:

Krebs Cycle Locomotion!

**Your Task:** You and your group members have been selected to do the impossible! You must turn yourselves into the crazy and sometimes confusing Krebs Cycle. Previously in class we have been discussing how this process works and what the key players are in helping to make it function properly. Your job now is to create your own living moving version of the Krebs Cycle. How may you ask are we going to accomplish this?!?

**Procedure:** Each group will be given a bag (no more than 7 people per group). Inside the bag will be a picture of the Krebs Cycle (with some key features missing) and signs for each group member to hold. All the signs will be double sided except for the CO2. It is now your job to put yourselves in order of how the Krebs Cycle operates. You may use any in class notes plus the picture to help you decide who should go where. When you believe you have the correct order call me over and begin moving your cycle to show me the changes that occur. Some of you may be wondering now why the signs are double sided, the reason for this is that you will be moving just like the molecules do. For example whichever molecule you have starting the Krebs cycle will need to tap the next molecule and so on. When you have been tapped the correct side must be showing when I observe your group. Before you proceed to answer the questions below you must receive my initials that I checked off your moving Krebs Cycle.

**Summary Questions**

1. What was the easiest way for your group to determine the first group member to start your circle?
2. Explain why it is important to know what high energy molecules are being produced.
3. What product from Glycolysis is converted into Acetyl CoA?
4. Why does the cell need to get rid of CO2?
5. In the space below draw a picture of your moving Krebs Cycle.