On an 8.5” x 11” lined piece of paper, hand-write your responses to the following questions. For full credit you must fill one side of the paper with high quality writing. Thanks!

1. Consider two proteins: One is an enzyme dissolved in the cytosol, the other is an ion channel in the membrane. Contrast (write about the differences) the structures of the two proteins, indicating at least two important differences.
2. In what principal ways are the reactions of electron transport in photosynthesis similar to the respiratory chain and oxidative phosphorylation discussed in Chapter 7?