**On an 8.5” x 11” lined piece of paper, hand-write your responses to the following questions, using complete sentences. You must fill one side of the paper with high quality writing. Thanks!**

1. How is it possible that a point mutation, consisting of the replacement of a single nitrogenous base in DNA by a different base, might not result in an error in protein production?
2. Explain why it is advantageous to eukaryotic life forms (plants and animals) to have anti-parallel DNA. Consider the process of replication, and the enzyme complexes “working” at or near the replication fork.