Conclusion

 Enzymes are a type of protein that speeds up chemical reactions. This enzyme is only one part of a chemical group. The structure of the enzyme is called a “substrate complex.” In a lock and key theory the enzyme is the key and the substrate is the lock. When a substrate complex meets at the active site, a reaction occurs. Activation energy is required because it is needed in order for a chemical reaction to occur. Denaturing a protein happens when an enzyme is exposed to a High Acid, Base, or elevated heat. The enzyme is diverse and helps to speed up chemical reactions.