

5. The major 6 classes of enzymes include:

- a) Transferases and Oxygenases
- b) Isomerases and Lyases
- c) Hydrolases and Epimerases
- d) Oxidoreductases and Catalases
- e) Transaminases and Transferases

6. Enzymes:

- a) Increase the energy barrier for a reaction
- b) Are recovered chemically altered after a complete reaction
- c) Increase the equilibrium constant of the reaction
- d) Activity is subject to regulation
- e) Are exclusively proteins

7. Coenzymes

- a) The nonprotein part of enzymes
- b) Needed for enzyme activity
- c) Usually vitamin derivatives
- d) Termed prosthetic group if bonded tight to their enzymes
- e) All of the above are correct

8. At V_{max} of an enzyme catalyzed reaction:

- a) Further increase in substrate concentration increases the rate of the reaction
- b) All the enzyme molecules are combined with substrate
- c) The substrate concentration that produces maximal velocity is termed K_m
- d) Half the enzymes are combined with substrate
- e) K_m is maximum