

1. Enzymes are only protein? a) true b) false
2. The non-protein portion of an enzyme that actually catalyzes the reaction is ?
a) substrate b) coenzyme c) peptide bond d) none of these
3. What is it that enzymes lower to get a reaction to proceed ?
a) its potential energy b) its kinetic energy c) its energy of activation
d) specificity e) choose this answer if none of these is correct
4. The specificity of an enzyme for its substrate is dependent upon its ?
a) number of amino acids b) its active site c) activation energy d) none of these is correct
5. An enzyme reaches a maximal velocity (saturates) only at very, very low substrate concentrations?
a) true b) false
6. The class of enzyme that catalyze redox reactions are ?
a) transferase b) hydrolase c) ligase d) none of these is correct
7. Match the following definition with its appropriate term.
Linear sequence of amino acids in a polypeptide chain.
a) primary structure b) secondary structure c) tertiary structure d) quaternary structure
8. Match the following definition with its appropriate term.
alpha helix
a) primary structure b) secondary structure c) tertiary structure d) quaternary structure
9. Catalytic cellular activity is done only by Enzymes? a) true b) false
10. The non-protein organic portion of an enzyme that may actually catalyze the enzyme reaction is ?
a) substrate b) coenzyme c) peptide bond d) none of these
12. What is it that enzymes lower to get a reaction to proceed ?
a) its potential energy b) its kinetic energy c) its energy of activation
d) specificity e) choose this answer if none of these is correct
13. The specificity of an enzyme for its substrate is dependent upon its ?
a) number of amino acids b) its active site c) activation energy d) none of these is correct
14. An enzyme reaches a maximal velocity (saturates) only at very, very low substrate concentrations?
a) true b) false
15. Which of the following is found associated with an enzymes active site ?
a) non-competitive inhibitor b) substrate c) competitive inhibitor
d) only b and c above e) all of these (a, b, and c)
16. True or False?
An enzyme increases the rate of the reaction $A \rightarrow B + C$ by changing the free energy content of b both the substrate and the product.
a) true b) false

17. Which of the following most accurately reflects a rate measurement ?
a) gm/liter b) umole/min c) umole/mg protein d) none of these
18. Enzymes show an optimal rate of activity versus ?
a) pH b) temperature c) enzyme concentration d) only a and b e) all of these (a, b, and c)