Enzymes

Sr	Questions	Answers Choice
1	Enzyme are specific in their action becasue.	A. Their active sites fit specific substaratres B. They are alwyas proteins C. They are consumed in reactions D. They work only at high temperatures
2	The biochemical reactions in which larger molecules are broken down are called	A. Metabolism B. Catabolism C. anabolism D. Mutualism
3	Which of the followig are not changed during the biochemical reactions.	A. Substrate B. Enzymes C. Products D. ES complex
4	What is true about the optimun pH values of the followign enzyes of digestive system.	A. Both work at high pH B. Both work at low pH C. Pepsin works at low pH while trypsin works at high pH D. Pepsin works at high pH while trypsin works at low pH
5	Whcih does yield energy.	A. Anabolism B. Catabolism C. Metabolism D. None of these
6	Which best defines an enzyme.	A. A chemical that breaks down food B. A hormone that regulates metabolism C. A protein that speeds up reactions D. A molecule that stores energy
7	The biochemical reactions in which larger molecules are synthesized are called.	A. Catabolism B. Metabolism C. Anabolism D. Digestive rections
8	How does competitive inhibitor affect enzyme action	A. attaches with the substrate B. Changes enzyme shape C. Attaches and blocks the active site D. Blocks the cofactors
9	Increase or decrease in temperture beyond the optimum temperature will	A. Increase the rate of reaction B. Not affect the rate of reaction C. Denature the enzyme D. Decrease the rate of reactions
10	In the presence of enzymes, reactions proceed at a.	A. Slower rate B. Faster rate C. Very slow rate D. Medium rate
11	Enzymes convert the substrate into different molecules called.	A. Product B. Reactants C. Inhibitors D. Biomolecules
12	Changes in pH can alter the active site by affecting the	A. Shape of substrate B. lonization of amino acids C. lonization of cofactor D. lonization of co enzyme
13	Prosthetic groups are.	A. Required by all enzymes B. Protins in nature C. Tightly bound to enzyme D. Loosely attached with enzymes
14	Enzyme pepsin in the stomach has an optimum pH of about	A. 3 B. 2 C. 4 D. 5

15	The catalytic region on enzyme recognizes and binds the substrate and carries the reaction. This region is called as.	A. Cofactor B. Active sites C. Activator D. Inhibitor		
16	The active site of an enzyme	A. Never changes B. Forms no chemical bond with substrate C. Determines by its structur ethe specificity of the enzyme D. Looks like a lump projecting from the surface of an enzyme.		
17	ionization of amino acids at the activ esite is affected by.	A. Change in pH B. Change in temperature C. Change in substrate conceration D. Change is tempeaure and substrate concentration		
18	Pepsin enzyme works in.	A. Large intestine B. Small intstine C. Stomach D. Heart		
19	What can happen if an enzyme is exposed to temperature that is highr than its optimal temperature.	A. Enzyme activity rate will increase B. Enzyme's shape will change potentially reducing its activity C. Enzyme will speed up the reaction and remain stable D. Enzyme will become a substrate itself		
20	An enzyme works best at a pH of 7.4. It is places in an acidic solution with a pH of 4.0.How will this affect the enzyme.	A. The substrate will become inactive in an acidic environment B. the enzyme wil gain additional active sites C. The enzyme will catalyse reactions faster due to increased H ions D. The activ esite will be modified reducing substrate binding		
21	The biochemical reactions in which larger molecules are synthesized are called.	A. Anabolism B. Catabolism C. Metabolism D. Digestive reactions		
22	Lock and key hypothesis of enzyme action supports that	A. Active sites are rigid B. Active sites are flexible C. Active site efficiency increases D. Active site can change its shape		
23	What is TRUE . according to the induced fit model of enzyme action.	A. Enzyme's active site change shape to bind the substrate. B. Substrate must fit the enzyme perfectly before binding C. No shape changes occur durring binding D. Enzyme is inactivated during the process.		
24	What is true about cofactors.	A. Help facilitate enzymes activity B. Are composed of proteins C. Break hydrogen bond in proteins D. Increase activation energy		
25	Whcih does consume energy	A. Catabolism B. Metabolism C. Anabolism D. Both a and b		
26	Primarily, all enzymes are.	A. Proteins B. Nucleic acids C. Carbohydrates D. Lipids		
27	How does increasing temperatue affect enzyme activity.	A. Increase actiity to a point B. Always decreases activity C. Makes enzymes non functional D. No effect on enzyme		
28	Set of biochemical reactions that occur in living organisms in order to maintain life is called.	A. Catabolism B. anabolism C. Metabolism D. Mutualism		
29	Which is true about enzyme.	A. All enzymes are not protein B. All enzymes are proteins C. All proteins are enzyme		

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D. All enzymes are vitamins

A. Denaturation

B. SaturationC. DesaturationD. Inhibition

If you add more substrate to already occurrig enzymatic reaction and it has no effet on the rate of reaction. What is the form given to this situation.

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