New curriculum

100 true or false questions about enzymes in biology

1. Enzymes are biological catalysts that speed up chemical reactions.
2. Enzymes are consumed in chemical reactions.
3. Enzymes can work on any substrate.
4. Enzymes are specific to certain substrates.
5. Enzymes change shape to fit substrates in the lock-and-key model.
6. Enzymes are composed of lipids.
7. Enzymes speed up reactions by lowering the activation energy.
8. Enzymes can catalyze an unlimited number of reactions.
9. Enzymes are not affected by temperature changes.
10. Enzymes can function in both acidic and basic environments.
11. Enzymes are only found in animals.
12. Enzymes can work at any temperature.
13. Enzymes are essential for digestion.
14. Enzymes can be denatured by extreme pH levels.
15. Enzymes are highly specific and typically only catalyze one type of reaction.
16. Enzymes are biological molecules that are not affected by the presence of inhibitors.
17. Enzymes can only function in a narrow pH range.
18. Enzymes play a crucial role in cellular respiration.
19. Enzymes can be used as therapeutic agents.
20. Enzymes are involved in DNA replication.
21. Enzymes are not affected by the concentration of substrates.
22. Enzymes can only function in the presence

of cofactors.
23. Enzymes are made up of nucleic acids.
24. Enzymes are not affected by changes in temperature.
25. Enzymes are used in the food industry.
26. Enzymes can only catalyze reactions in living organisms.
27. Enzymes are not affected by changes in pH.
28. Enzymes can work on multiple substrates.
29. Enzymes play a crucial role in various cellular processes.
30. Enzymes are only found in animals and not in plants.
31. Enzymes are reusable in multiple reactions.
32. Enzymes have a high specificity for their substrates.
33. Enzymes can function at any pH level.
34. Enzymes are essential for the breakdown of carbohydrates in the body.
35. Enzymes can only catalyze reactions in the presence of coenzymes.
36. Enzymes are not affected by changes in substrate concentration.
37. Enzymes are complex molecules made up of lipids and carbohydrates.
38. Enzymes are involved in the synthesis of DNA and RNA.
39. Enzymes play a role in the immune response.
40. Enzymes are not affected by changes in enzyme concentration.
41. Enzymes are essential for the breakdown of fats in the body.
42. Enzymes can only function in the presence of inhibitors.
43. Enzymes are used in diagnostic tests to measure enzyme activity.
44. Enzymes are not affected by changes in the environment.

45. Enzymes are involved in the breakdown of proteins in the body.
46. Enzymes are biological molecules that can be used as energy sources.
47. Enzymes are not affected by changes in temperature and pH.
48. Enzymes are essential for the synthesis of hormones in the body.
49. Enzymes can only catalyze reactions in the presence of activators.
50. Enzymes are involved in the breakdown of nucleic acids in the body.
51. Enzymes are not affected by changes in substrate specificity.
52. Enzymes are essential for the breakdown of toxins in the body.
53. Enzymes are only found in the digestive system.
54. Enzymes are essential for muscle contraction.
55. Enzymes can only function in the presence of specific ions.
56. Enzymes are not affected by changes in enzyme structure.
57. Enzymes are essential for the breakdown of waste products in the body.
58. Enzymes are involved in the synthesis of neurotransmitters.
59. Enzymes can only catalyze reactions in the presence of metals.
60. Enzymes are essential for the synthesis of vitamins in the body.
61. Enzymes are not affected by changes in enzyme activity.
62. Enzymes are involved in the breakdown of pollutants in the environment.
63. Enzymes are only found in the cytoplasm of cells.
64. Enzymes are essential for the breakdown of

pathogens in the body.
65. Enzymes can only function in the presence of specific pH levels.
66. Enzymes are not affected by changes in enzyme regulation.
67. Enzymes are essential for the breakdown of allergens in the body.
68. Enzymes are involved in the synthesis of antioxidants.
69. Enzymes can only catalyze reactions in the presence of specific temperatures.
70. Enzymes are essential for the breakdown of carcinogens in the body.
71. Enzymes are not affected by changes in enzyme kinetics.
72. Enzymes are involved in the breakdown of hormones in the body.
73. Enzymes can only function in the presence of specific pH ranges.
74. Enzymes are essential for the breakdown of pesticides in the environment.
75. Enzymes are not affected by changes in enzyme cooperativity.
76. Enzymes are involved in the breakdown of antibiotics in the body.
77. Enzymes can only catalyze reactions in the presence of specific substrates.
78. Enzymes are essential for the breakdown of heavy metals in the body.
79. Enzymes are not affected by changes in enzyme inhibition.
80. Enzymes are involved in the breakdown of plastics in the environment.
81. Enzymes are only found in the nucleus of cells.
82. Enzymes are essential for the breakdown of carcinogens in the environment.
83. Enzymes can only function in the presence of specific cofactors.

84. Enzymes are not affected by changes in enzyme denaturation.
85. Enzymes are involved in the breakdown of pollutants in the atmosphere.
86. Enzymes are essential for the breakdown of toxins in the environment.
87. Enzymes can only catalyze reactions in the presence of specific coenzymes.
88. Enzymes are not affected by changes in enzyme activation.
89. Enzymes are involved in the breakdown of contaminants in water sources.
90. Enzymes are essential for the breakdown of pesticides in agricultural soil.
91. Enzymes can only function in the presence of specific activators.
92. Enzymes are not affected by changes in enzyme deactivation.
93. Enzymes are involved in the breakdown of pollutants in oceans.
94. Enzymes are essential for the breakdown of toxins in marine life.
95. Enzymes can only catalyze reactions in the presence of specific inhibitors.
96. Enzymes are not affected by changes in enzyme specificity.
97. Enzymes are involved in the breakdown of contaminants in soil.
98. Enzymes are essential for the breakdown of toxins in plants.
99. Enzymes can only function in the presence of specific substrates.
100. Enzymes are not affected by changes in enzyme concentration.

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