

Free pdf Lactase enzyme lab answers (Download Only)

flow sheet enzymes lab part a 1 label 5 test tubes glucose sucrose lactose corn starch and water 2 pipette 4ml of the substrate that is appropriate into each labeled tube swirl corn starch solution and be sure to use a new pipette for each 3 put 2ml of invertase into each how can you determine the optimum ph of an enzyme a test the enzyme at the ph of 1 and ph of 14 b test the enzyme in distilled water only c test the enzyme in vinegar orange juice and saliva only d use a ph meter e test the enzyme at different ph levels what is the typical intracellular ph of cells the intracellular ph of most organism is between 6 and 7 the enzyme optimum should have been either 6 0 or 7 0 what was the optimum ph of amylase the experimental results of most studies indicated a ph optimum of either 6 0 or 7 0 study with quizlet and memorize flashcards containing terms like enzymes catalyst biocatalysts and more enzymes enzymes speed the rate of chemical reactions a catalyst is a chemical involved in but not consumed in a chemical reaction enzymes are proteins that catalyze biochemical reactions by lowering the activation energy necessary to break the chemical bonds in reactants and form new chemical bonds in the products introduction enzymes are biological catalysts and are usually proteins they greatly increase the rate of chemical reactions by lowering the activation energy which is the energy required to start a reaction the metabolism of a cell depends upon enzymes in order to function correctly enzymes are very efficient catalysts for biochemical reactions these catalysts speed up reactions by providing an alternative reaction pathway that requires a lower activation energy needed for a reaction to get started enzymes lab lab reports and answers to questions asked in the lab for answers email audrey studocu lab reports and answers to questions asked in the lab university moi university course biochemistry bio 400 42documents students shared 42 documents in this course academic year 2019 2020 uploaded by malachi ogita in this lab you will study an enzyme that is found in the cells of many living tissues the name of the enzyme is catalase it speeds up a reaction which breaks down hydrogen peroxide a toxic chemical into 2 harmless substances water and oxygen light can also break down h₂ o₂ which is why the chemical is sold in dark containers study with quizlet and memorize flashcards containing terms like what effect will temperature have in enzyme activity why what effect will ph have on catalyses activity why what types of tissues do you think will have the strongest catalyses activity why and more enzymes are proteins that speed up the rate of reactions that would otherwise happen more slowly the enzyme is not altered by the reaction you have hundreds of different enzymes in each of your cells each of these enzymes is responsible for one particular reaction that occurs in the cell biology

enzymes including stuff from the enzyme lab enzymes are made up of that lower the activation energy needed to start chemical reactions which speeds up the total reaction click the card to flip proteins click the card to flip 1 21 lab 3 enzymes objectives discuss the function and role of enzymes in living organisms identify the substrate reactant enzyme and product of a chemical reaction differentiate between exergonic and endergonic reactions list 5 things that influence enzyme activity and discuss some of the properties of enzymes describe denaturation terms in this set 83 enzymes protein that catalyzes a specific chemical reaction due to the presence of the millions of chemical reactions that occur in your body can be completed in a fraction of a second rather than decades that it would take without them enzymes enzyme catalyzed reactions can occur faster than they enzymes are proteins that catalyze biochemical reactions by lowering the activation energy necessary to break the chemical bonds in reactants and form new chemical bonds in the products catalysts bring reactants closer together in the appropriate orientation and weaken bonds increasing the reaction rate enzymes questions google classroom if an enzyme functions to enable the following reaction which type of catalytic strategy is most likely given the chemical reaction shown choose 1 answer choice a proximity orientation catalysis a proximity orientation catalysis choice b electrostatic catalysis b electrostatic catalysis choice c study with quizlet and memorize flashcards containing terms like what is the function of an enzyme what is a substrate what happens to the enzyme and the substrate during a chemical reaction and more in fact there are thousands of different enzymes in your body that work around the clock to keep you healthy and active in this science activity you will investigate one of these enzymes called catalase to find out how it helps to protect your body from cell damage

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introduction enzymes are biological catalysts and are usually proteins they greatly increase the rate of chemical reactions by lowering the activation energy which is the energy required to start a reaction the metabolism of a cell depends upon enzymes in order to function correctly

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enzymes are very efficient catalysts for biochemical reactions these catalysts speed up reactions by providing an alternative

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in this lab you will study an enzyme that is found in the cells of many living tissues the name of the enzyme is catalase it speeds up a reaction which breaks down hydrogen peroxide a toxic chemical into 2 harmless substances water and oxygen light can also break down H_2O_2 which is why the chemical is sold in dark containers

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lab 3 enzymes objectives discuss the function and role of enzymes in living organisms identify the substrate reactant enzyme and product of a chemical reaction differentiate between exergonic and endergonic reactions list 5 things that influence enzyme activity and discuss some of the properties of enzymes describe denaturation

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terms in this set 83 enzymes protein that catalyzes a specific chemical reaction due to the presence of the millions of chemical reactions that occur in your body can be completed in a fraction of a second rather than decades that it would take without them enzymes enzyme catalyzed reactions can occur faster than they

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enzymes are proteins that catalyze biochemical reactions by lowering the activation energy necessary to break the chemical bonds in reactants and form new chemical bonds in the products catalysts bring reactants closer together in the appropriate orientation and weaken bonds increasing the reaction rate

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in fact there are thousands of different enzymes in your body that work around the clock to keep you healthy and active in this science activity you will investigate one of these enzymes called catalase to find out how it helps to protect your body from cell damage

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