
Digestive Enzyme Lab Activity Answers

digestive enzyme lab - penguin prof pages - digestive enzyme lab objectives 1. to describe the function of enzymes 2. to define: reactants, products, activation energy 3. to describe the enzymatic digestion of carbohydrates by salivary amylase 4. to describe the enzymatic digestion of protein by pepsin 5. to describe the emulsification of fat by bile salts 6. **general notes: lab exercise 1: digestion of starch by ...** - digestive enzyme lab objectives 1. to describe the enzymatic digestion of carbohydrates by salivary amylase 2. to describe the enzymatic digestion of protein by pepsin 3. to describe the emulsification of fat by bile salts ! 4. to understand the enzymatic digestion of fat by pancreatic lipase background information: **lab #12: digestive physiology - indiana university bloomington** - lab #12: digestive physiology p.2 will often bask after feeding to elevate body temperature and facilitate enzymatic digestion. enzyme activity is also influenced by the ph of the surrounding fluid. recall that [h+] can influence whether acidic and basic amino acid side chains are bound to a hydrogen ion or not, **8a1-body systems digestion digestive enzyme lab ii** - digestive enzyme lab (spit lab) introduction: enzymes catalyze reactions that normally would not take place fast enough at normal body temperature. specific enzymes catalyze specific reactions. digestive enzymes help break food molecules into simpler substances so that they can be **digestive system activity - university of california, irvine** - the purpose of this lab activity is to visualize the food digestion process using tortilla chips and various common household items to re-create the digestive system in the classroom. this activity has been modified from that from lmtsd. digestive system activity instructions 1. **enzymes: what's in your spit? - stanford university** - created by labsci at stanford 5 part 2 - how does ph affect enzyme activity? (starch and amylase) starch is a carbohydrate found in many foods, such as wheat, corn, rice, and potatoes. it is a long chain of sugars linked together. the enzyme amylase breaks the bonds linking the glucose molecules in starch. your saliva contains amylase to break down the starchy foods that you eat. **experiment #1: digestion lab - indiana university bloomington** - digestion lab experiment #1: carbohydrate digestion • tube 1 - 3 ml water • tube 2 - 3 ml 0.2% amylase • tube 3 - 3 ml 0.2% amylase + 10 drops of 1.0m hcl ... factors affecting enzyme activity • ph - 3d structure of enzymes changes at different ph - optimal enzyme function at specific ph - ↓ function at higher or **what affects enzyme activity? lab - ucvtc.tec.nj** - what affects enzyme activity? lab introduction enzymes are biological catalysts that help to carry out the thousands of chemical reactions that occur in living cells. they are generally large proteins made up of several hundred amino acids. in an enzyme-catalyzed reaction, the substance to be reacted, the substrate, binds to the active site of **enzymes and their functions - activity sheets** - activity sheets enzymes and their functions what are enzymes? enzymes are compounds that assist chemical reactions by increasing the rate at which they occur. for example, the food that you eat is broken down by digestive enzymes into tiny pieces that are small enough to travel through your blood stream and enter cells. **biology 13a lab #13: nutrition and digestion** - biology 13a lab manual 5lab #13 nutrition and digestion 102 ... 104 • activity 1: testing for the presence of nutrients . 104 • activity 2: the digestive system and digestion . 111 expected learning outcomes at the end of this lab, you will be able to • list the essential ... an enzyme that breaks down starches (polysaccharides) to ... **digestion: chew on that! - science matters** - 5.9 digestion: chew on that! 2 sciencematters 2. have students, in their science notebook, draw and label what they think their digestive system looks like. 3. ask students to share their drawing with a partner and then compare and contrast the parts they drew. have several students share their ideas aloud with the **digestive enzymes demo - flinn scientific** - digestive enzymes demo continued 3 21 inn ientii n ights eserve 5. observe the color and appearance of the resulting solution in each cup and record the observations in the data table on the digestive enzyme demo worksheet. note: biuret test solution is bluish-purple in the presence of polypeptides and lavender pink in the presence of amino ...

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