Download Enzyme Activity Lab Catalase

The effects of catalase, like those of all enzymes, are influenced by the surrounding temperature. Temperature has an effect on both the structure of the catalase itself and the hydrogen bonds it is designed to cleave.Each of these enzymes is responsible for one particular reaction that occurs in the cell. 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.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 ofFor example, the enzyme catalase is responsible for the breakdown of hydrogen peroxide into oxygen and water. Therefore, the amount of oxygen produced is proportional to the activity of catalase. Hence, it is important to measure the amount of oxygen produced to measure the activity of catalase., Enzyme Activity Lab Catalase.

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