

Enzyme Design Lab

The compound hydrogen peroxide can be broken down by the enzyme peroxidase. Peroxidase is found in most living organism to protect cells from damage. Peroxidase facilitates the decomposition of hydrogen peroxide into oxygen gas and hydrogen gas. The reaction can be observed by detecting oxygen gas in the form of bubbles.

In this lab you will design a procedure to test the affects of temperature and pH on enzyme activity, specifically peroxidase.

Title Page	1					
Purpose	1	2				
Hypothesis	1	2	3			
Materials	1	2				
Procedure	1	2	3	4	5	
Results	1	2	3	4	5	6
(include a chart and graph)						
Discussion	1	2	3	4	5	6
(include major findings, sources of error, improvements)						

/50 marks