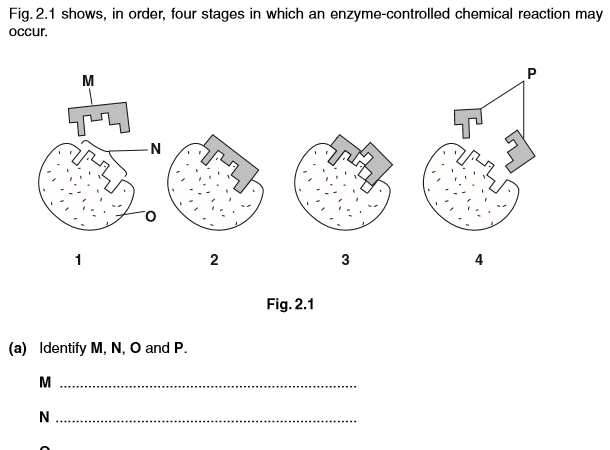
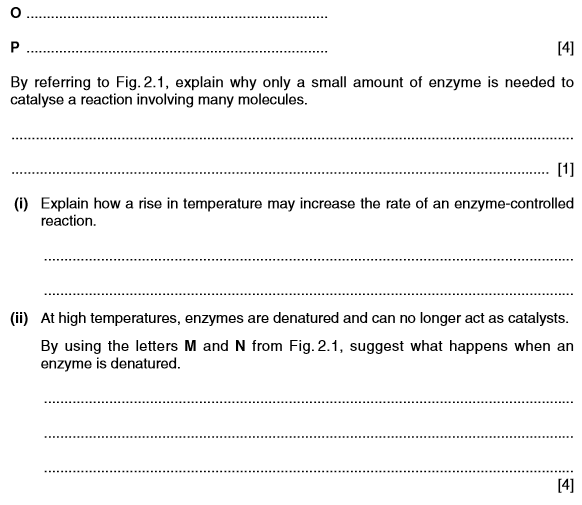
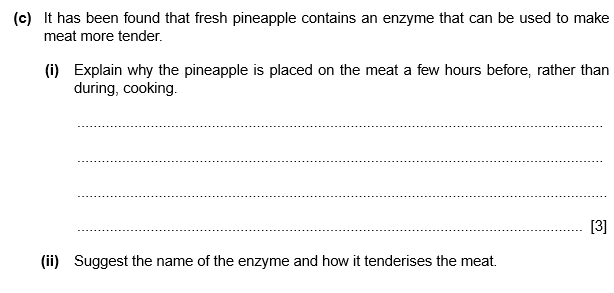
**BLOG WORKSHEET**

**BIOLOGY CLASS 9**







Q  What are catalysts?Why are enzymes known as Biological Catalyst?

#### Q What amount of catalyst is consumed in the reaction it catalyzes?

Q Discuss the importace of enzymes in our daily lives.

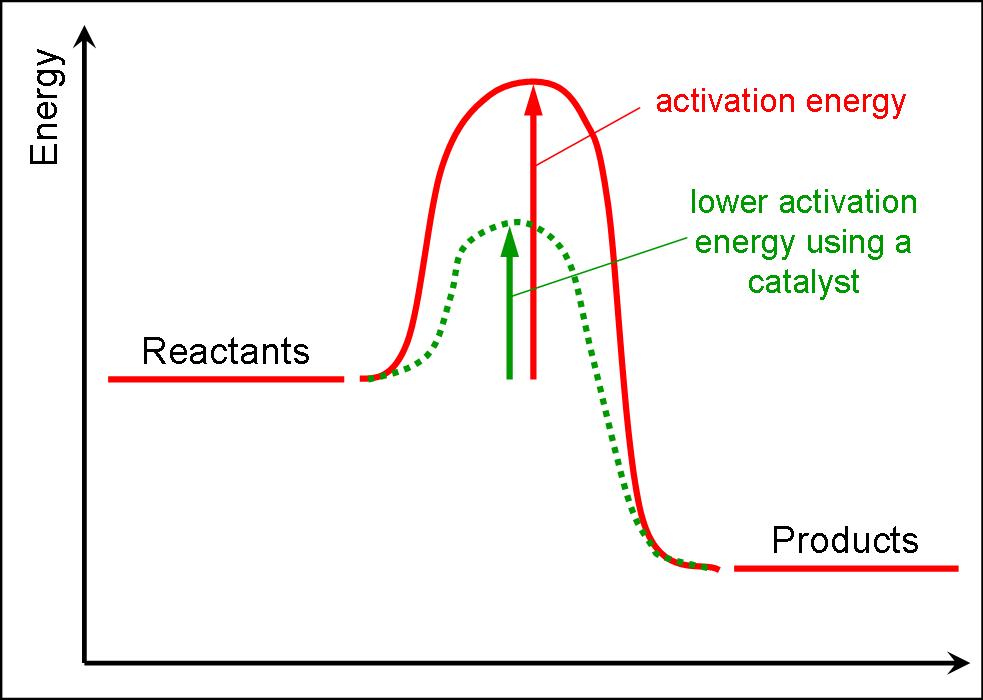
#### Q What is the activation center of an enzyme? Is it the key or the lock in the lock and key model?

#### Q Describe the main factors that alter the speed of enzymatic reactions?

#### Q  Explain, with reasons and examples, how the biological activity of an enzyme may be affected by: a. changes in pH; and b. increasing temperatures.

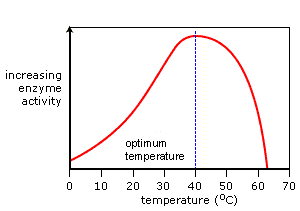
Q Discuss the characteristics of enzymes.

Q  Describe the major properties of enzymes.  
Q Discuss the mode of action of an enzyme in terms of active site, enzyme-substrate complex, activation energy and enzyme specificity.

Q Look at the graph and answer the following questions:  
  


1. Define Activation energy.
2. Explain how does an enzyme lower the activation energy?

Q look at the graph and answer the following questions:



1. Which temperature shows the best activity of enzyme?
2. Explain your answer of part I
3. Why does enzyme activity decline after 40 C?