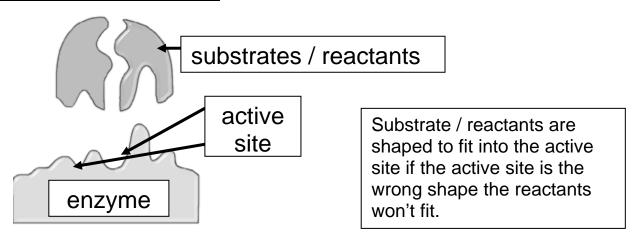
## Life Processes at the cellular level

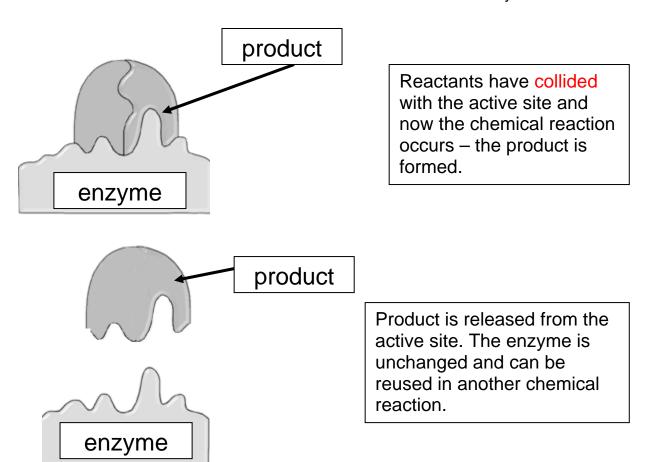
## **Enzyme Help Sheet**

- Enzymes are biological catalysts which speed up chemical reactions while not themselves being used up in the process.
- Enzymes are specific meaning they only work on one type of reaction (due to the shape of their active sites)

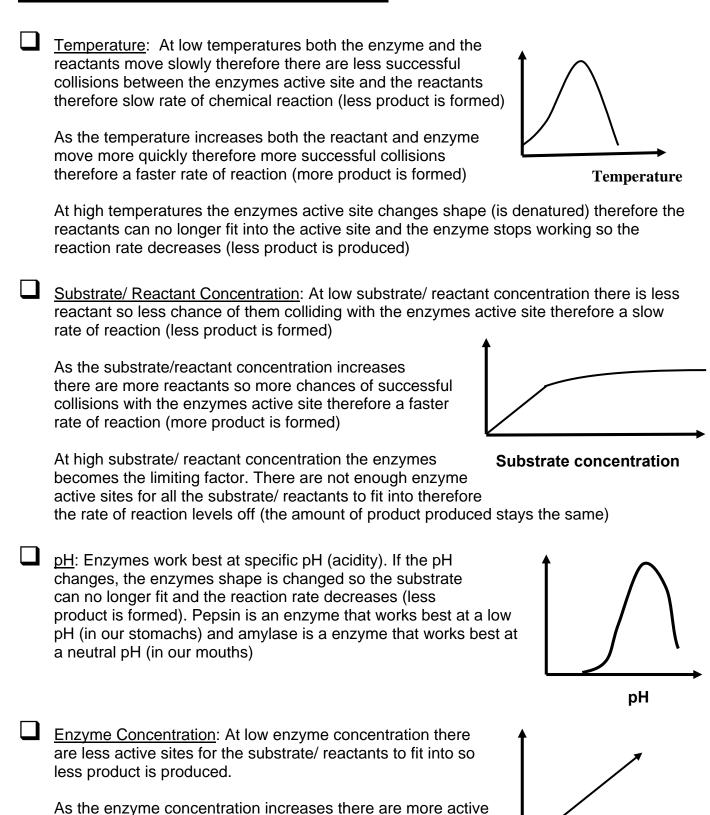
## Diagram of Lock and Key Model:



For a reaction to work the Substrate/ Reactants must **collide** correctly with the active site.



## Factors which affect enzyme activity



**Enzyme Concentration** 

sites available so the amount of substrate/ reactants that can now fit into the enzymes active sites increases (more product

is produced)