



# Enzymes - How They Work

1 Define the term 'catalyst'

.....  
.....

[ 2 marks ]

2 What is the difference between a catalyst and an enzyme?

.....  
.....

[ 1 mark ]

3 Name two models of enzyme action and state the difference between them.

.....  
.....  
.....  
.....

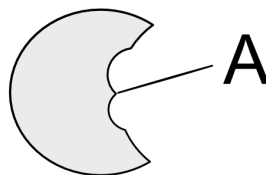
[ 4 marks ]

4 Which of the two models is more accurate?

.....  
.....

[ 1 mark ]

5 The diagram below shows an enzyme. Name the area labelled 'A' and state the general name of the molecule that would fit there.



A - .....

Molecule that fits in A - .....

[ 2 marks ]

## GCSE Biology

4 Consider the following sentences and mark them as true 'T', or false 'F'

A single enzyme is able to catalyse a variety of different types of reactions

Enzymes are made from long chains of amino acids

A single enzyme can catalyse the same reaction multiple times in its life

Enzymes are completely rigid, unless the substrate fits the active site 100% perfectly, the enzyme will not catalyse the reactions

*[ 4 marks ]*

*[ Total - 14 mark ]*