

Enzymes

- proteins made by living cells
- speed up/catalyse the rate of chemical reactions
- involved in all metabolic reactions, such as building large molecules from small ones, as well as breaking down large molecules into small ones
- highly specific
- composed of different amino acids linked to form a chain which is then folded into a specific shape
- In a denatured enzyme, the specific shape of the active site is destroyed and can no longer bind with its substrate, so no reaction occurs.

'Lock and key' modelling

