

Mechanism of Enzyme Action:

The living cell is the site of tremendous biochemical activity called metabolism. This is the process of chemical and physical change which goes on continually in the living organism. Building up of new tissues, replacement of old tissues, conversion of food to energy, disposal of waste materials, reproduction are the various life processes. This building up and tearing down takes place in the face of a present paradox. Most of these biochemical reactions do not take place continuously and spontaneously. The phenomenon of catalysis makes possible biochemical reactions necessary for all life processes. Catalysis is defined as the acceleration of a chemical reaction by some substance which itself undergoes no permanent chemical change. The catalysis of biochemical reaction are enzymes and are responsible for bringing about almost all of the chemical reactions in the living organism.