

Enzymes are proteins that perform specific tasks quickly.

## 1 | **Active Sites**

Enzymes have active sites which bind to specific substrates and then perform an action on them (such as splitting them apart).

Chemical reactions take place at the active site. Active sites facilitate these reactions in just the right way such that it is stabler.

## 2 | **Inhibitors**

### 2.1 | **Competitive Inhibitors**

Competitive inhibitors reduce reaction rate but can be subverted with high concentrations.

### 2.2 | **Noncompetitive Inhibitors**

Noncompetitive inhibitors reduce reaction rate and cannot be subverted.