

How Engymes Work? :-Cells rely on proteins called enzymes to kick start chemical reactions and speed them up
This unables cells to get most of out of the energy resources available to the Enzymes kick starts reactions by binding with one or more molecules called reactant/substrate, Substrate Site Engyme Substrate ) Here, Engymes have Active \$Site These Active Sites have a particular shape
Because of their unique shape, only substrates that match the
shape of Active site can bind with the Enzyme Enzyme-substrate

Complex As the selbstate reacts with the engine, the chamical bond bet substrate and engine weaken and lead to formation of product by linking up) Product is seleased from the Active Site Enzyme return to \_ ) And the process continues

Enzymes have specificity
i.e. Only substrates with mothing spacial charecteristics
can bind with the Enzyme 1) Lock and Rey :-Enzyme Rind Air L. M. Here, Enzyme -> Lock Substrate is the key to Substrate -> Key unlock the enzymes in order to kick start a reaction 2) Induced Fit -Suletrate almosts watching When there is loose spaceal fit bet Substrate & Enzymes In Buch a case, the Engyme & Substrate change their confirmation Cenfirmation (shape (slightly) to allow tighter fit 1 2 products divides the substrate
my breaking

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