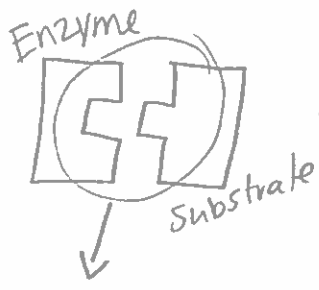


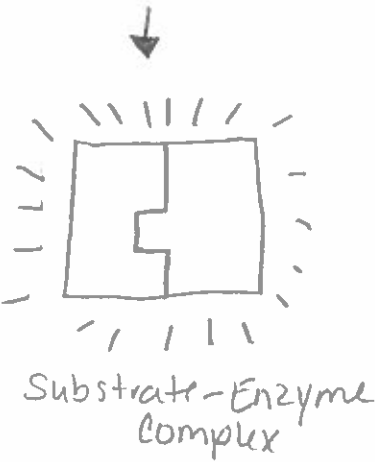
Remember: In order for your Enzyme to work and make a chemical reaction, it must connect to a substrate.



← Notice how the enzyme and substrate have similar shapes (Active site) that will allow them to connect and create a substrate-enzyme complex.

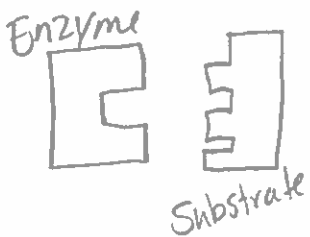
Active Site
(matching shape of the enzyme and substrate)

Enzyme and Substrate have combined and created a...



Think of a Leggo or a puzzle piece that must match in all for it to connect

Also: Think of a lock + key... If you use the wrong key on a lock, then the lock won't open! Just like enzymes



← Notice here how the enzyme and substrate DONT match. They cannot connect to create a substrate enzyme complex, therefore no chemical reaction will occur