

Source: [\[KBhBIO101AminoAcids\]](#)

1 | Enzymes

Proteins that build things up and break things down!

A macromolecular **catalyst**, it...

1. Speeds up the rate of reactions
2. Does not get consumed by the reaction
 1. Not a fundamental product
 2. Not a fundamental reactant
3. Shape determines the reactions that it can participate in
4. Enzymes are subject to **protean denaturation** => if the protein unfolds, its function will be lost.
Triggered by excess heat, acid, and other problems

(4) is unlike