

ENZYMES

Definition:

- ✓ Biocatalysts (biological scissors), help in the process of digestion.
- ✓ Chemical substances produced by our body cells in order to speed up or facilitate digestion.

Properties:

- ✓ Enzymes are specific.
- ✓ Enzymes act on specific temperature (37°C).
- ✓ Enzymes act on specific medium (base, neutral and acidic).
- ✓ Enzymes are needed in small amounts.
- ✓ Enzymes speed up the reaction but they don't interfere in it.

NOTES!!

- ✓ As reaction of enzyme increases, the reaction speed increases too.
- ✓ Each enzyme has a maximum activity and specific PH.
- ✓ At a high temperature, the enzyme will be destroyed.
- ✓ At a low temperature the enzyme won't work.
- ✓ If the enzyme was at a low temperature, then 37°C it works again.
- ✓ If the enzyme was at a high speed then 37°C, it won't work again.