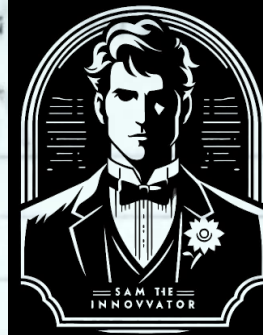


* importance of metabolism

1) obtaining energy from catabolism

2) Growth and Compensation of Tissues

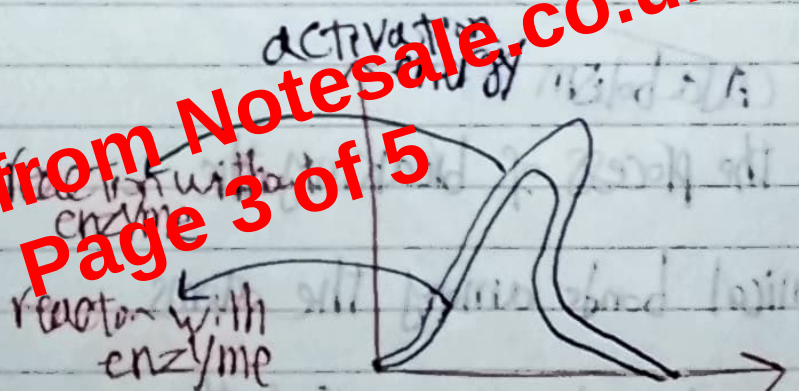


Enzymes

* They are biological catalysts that consist of large protein molecules which work on increasing the speed of the chemical reactions inside the cell

Enzyme function

1. They decrease the activation energy
2. They speed up the biological catalyst.



Enzymes: Structure

Enzymes are made up of protein

Properties of enzymes

- 1) They take place in the reaction without being consumed but they speed the reaction
- 2) They are highly specific (one reactant and type of reaction)
- 3) They reduce the activation energy
- 4) They are affected by the pH and temperature