

PARTIAL AND TOTAL SYNTHESIS

* **Partial Synthesis:** If an intermediate compound is converted into target product then it is called partial synthesis.

Partial synthesis uses molecules created from bio reactions and then further reacts them to create a product. This could be reactions on steroids or proteins or other large molecules.

Example: when carboxylic acid is obtained by the oxidation of aldehyde skipping the oxidation alkane and alcohol. (C_2H_4O)

* **TOTAL SYNTHESIS:**

After several reactions if raw material is converted into desired or target product is called Total Synthesis.
OR

If an organic compound is prepared by new method from new raw materials (not known before) is also called total synthesis.

Example: Carboxylic acid can be obtained by oxidation of alkane through many steps, as

