



This synthesis of urea by Wohler in laboratory rejected the vital force theory.

- \* After that Kolbe synthesise Acetic Acid in laboratory (in 1845).
- \* Then, Berthelot (1856) synthesise methane.
- \* Thus "Berthelot drove the last nail in coffin of "Vital Force Theory"".

## Tetravalence of Carbon

- \* Carbon is tetravalent.
- \* Carbon shows catenation Property.



Property of combining with similar element by single bond.

Due to above two factors no. of compound of carbon is too large.

**To be continued in next lecture...**