DNA (deoxyribonudic acid): · It is a double belix structure · Polymer of nucleotides consisting of Base pairs (2 plandothers) trem this structure, we can observe the following: * 1) The two strands are antiparabel and run in opposite directions Here, 5' end :- has phosphate group attached to 5th carbon

3'end: has free hydroxyl group attached to 3th cardon

1 po-p-0-4cs' Ne base

At 3' the chain centineus

3't 12' and free phosphate attaches there · 2" strand: - Runs from 3' to 5' Here, 3 and: has free hydroxyl group. 5'end: has free phosphate group Base pairing:
The stop strands in DNA are held together by hydrogen book between complementary bases. Adenine (A) pairs with Thymine (T) -> 2 Holond Cytosine (C) pairs with Guarine (G) -> 3 H-bond

THE PHONE STATE OF THE PROPERTY OF THE PROPERT • A = T Stydrogenbonds

Gr = C Stydrogenbonds provide stability to helical structure

> 3 Hydrogenbonds are twisted in right handed fashion · Plane of I base pairs stacks over each other To NA is districted to study the base pairing ACT CACCO Each straind: 1st P.S. A T. P.S.)

PEB - phosphoester long play p.s G T. T. T. P.S.)

Co.B. - glycosidiction of the strain of