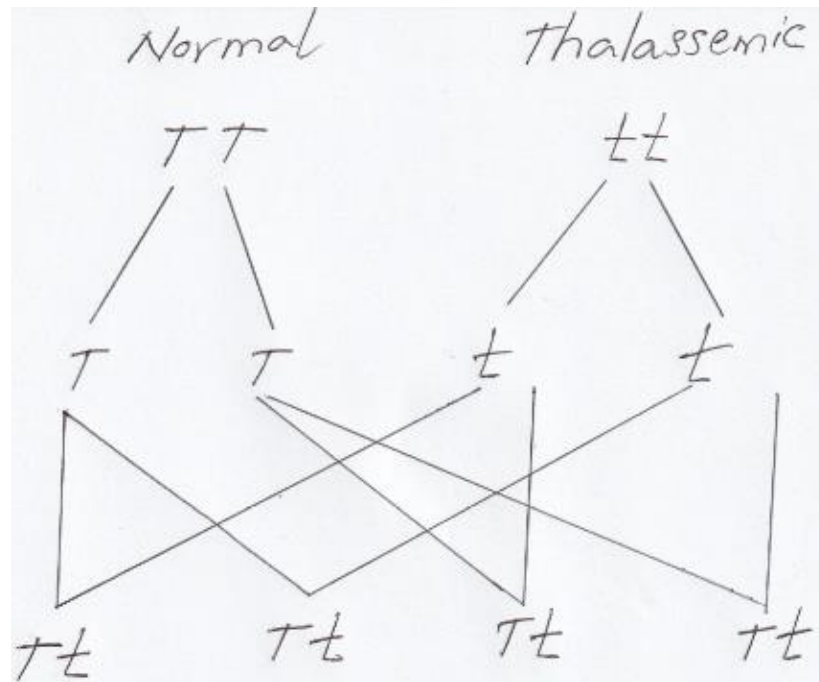


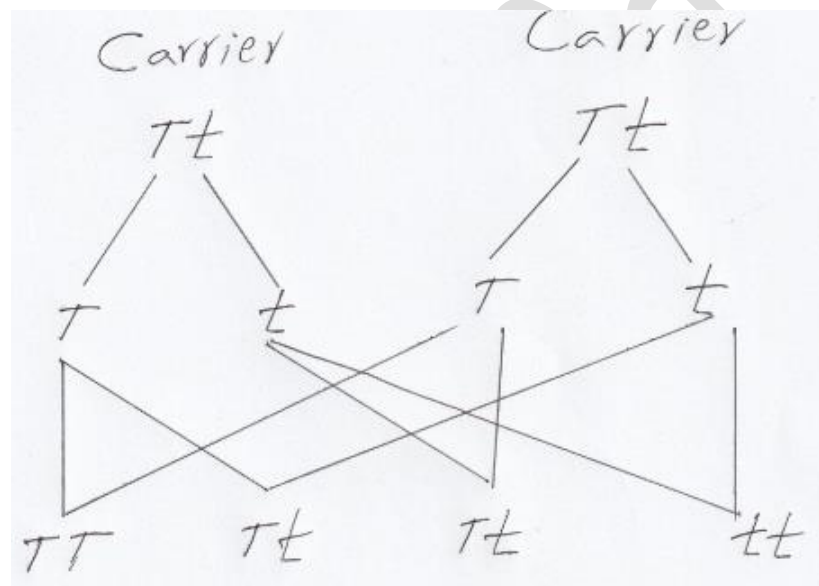
Thalassemia

- 1) A sudden in a due to harmful or harmful is called
- 2) Thalassemia is due a
- 3) found in (.....) transports
- 4) is made up of containing and a called
- 5) If the responsible for the production of is (.....), the production will
- 6) is a condition where amount is less than
- 7) People having (.....) are
- 8) People having (.....) are
- 9) People having (.....) are
- 10) Some in have higher number of patient.
- 11) This is due to between

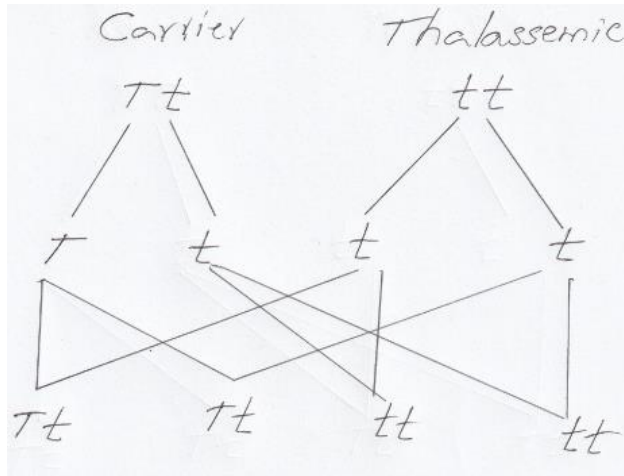
Find the probability of getting a thalassemic child when a normal person marries a thalassemic person



Find the probability of getting a thalassemic child when two carrier persons marry



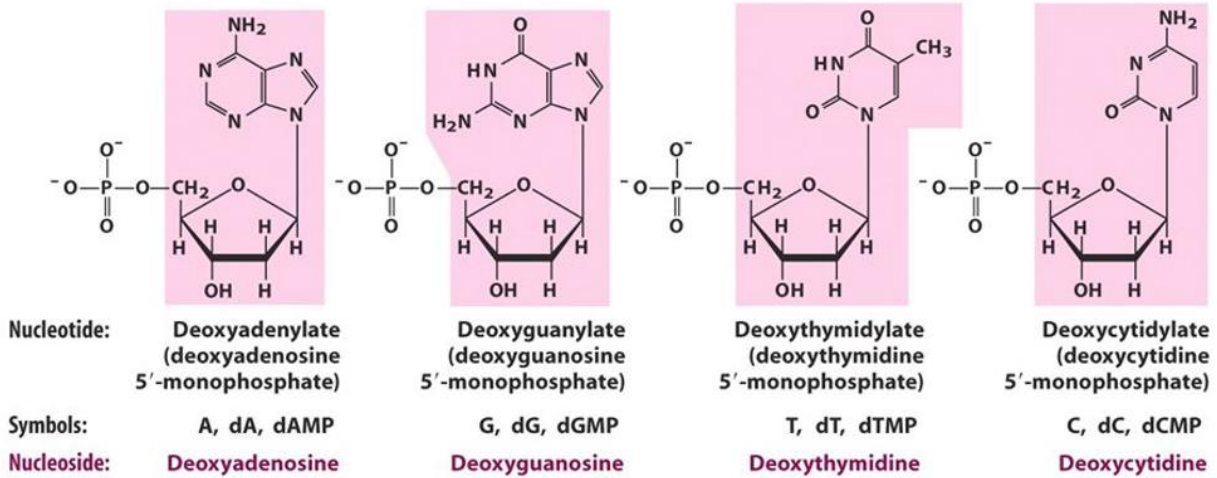
Find the probability of getting a thalassemic child when a carrier person marries a thalassemic person



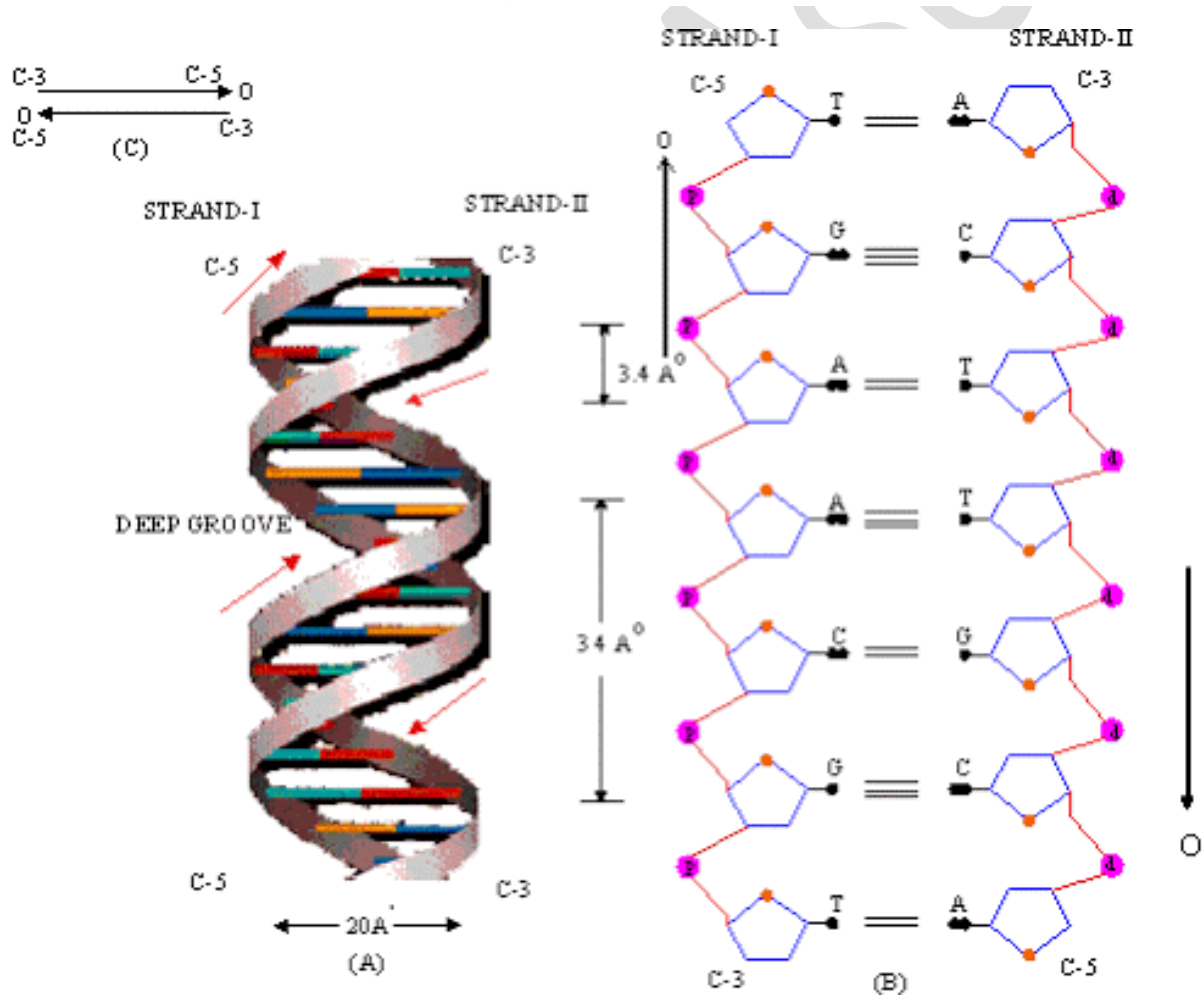
DNA molecule

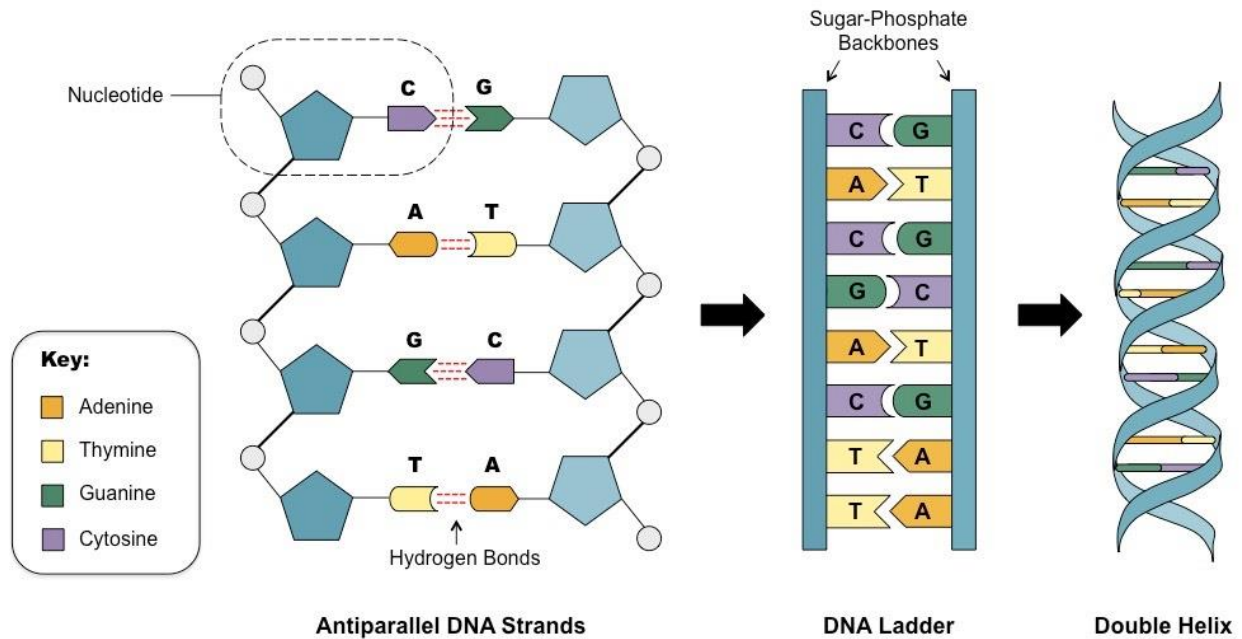
- 1) The DNA structure was introduced in by and
- 2) Therefore this mole is called is called structure.
- 3) According to this structure a DNA molecule is made up of strands.
- 4) Each strand is a polymerization of
- 5) Therefore the monomer of a DNA is
- 6) Each is made up of
 - (i) a (.....) -
 - (ii) a group - and
 - (iii) a -
- 7) found in a can be
 - (i) -
 - (ii) -
 - (iii) -
 - (iv) -
- 8) Accordingly there can be 4 types of

(i) Deoxyadinosine	(ii) Deoxyguanosine
(iii) Deoxycytidine	(iv) Deoxythimidine

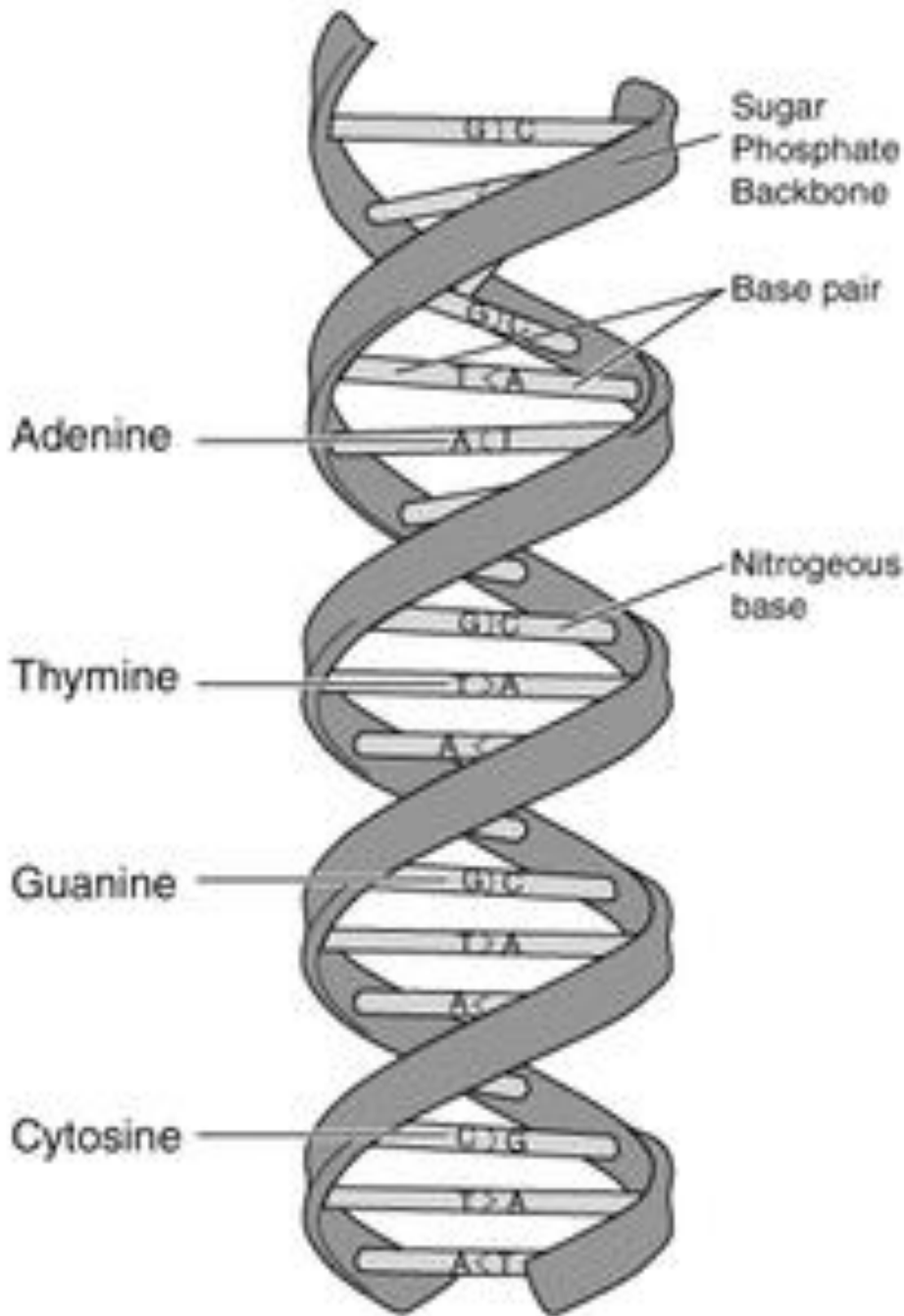


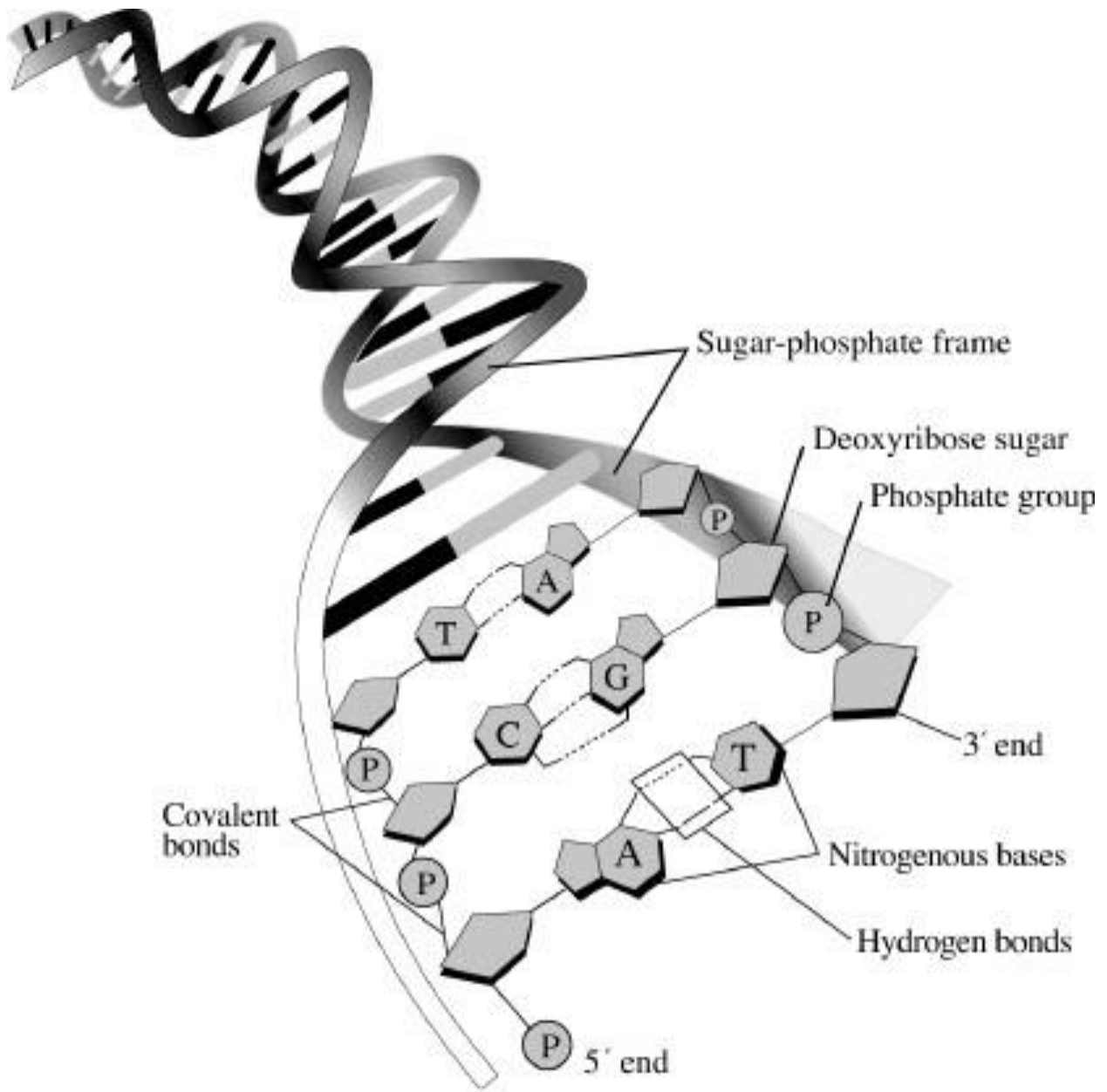
(a) Deoxyribonucleotides





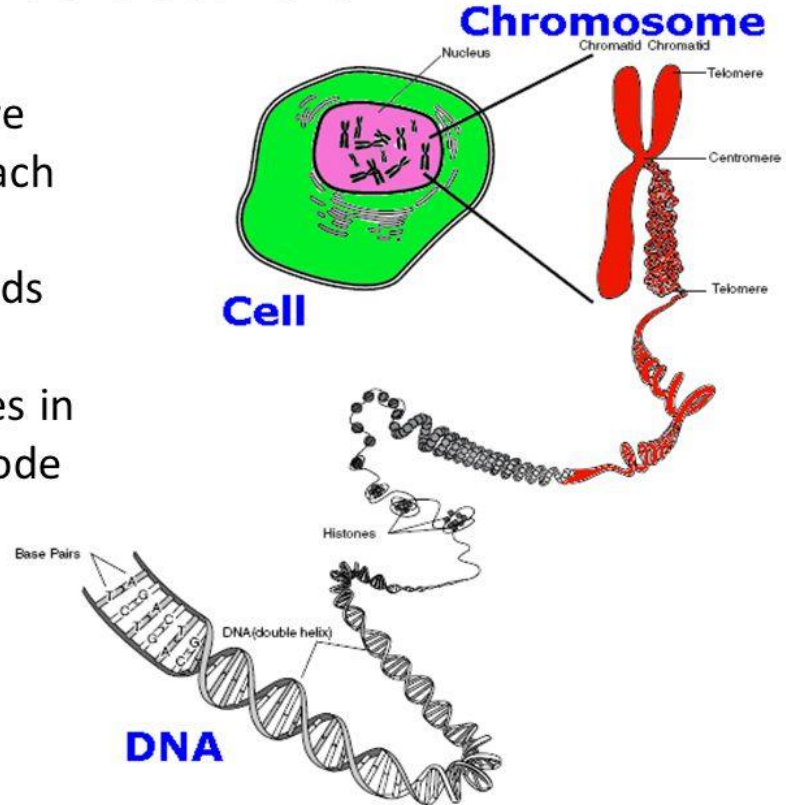
- 9) are joined together through their and make a strand
- 10) Two strands are joined together using bonds.
- 11) A Deoxyadenosine can join only with a Deoxythymidine
- 12) A Deoxyguanosine can join only with a Deoxycytidine
- 13) Between a Deoxyadenosine and a Deoxythymidine there are 2 H bonds
- 14) Between a Deoxyguanosine and a Deoxycytidine there are 3 H bonds
- 15) A is a specific base sequence in a molecule which is responsible for a particular
- 16) Therefore a is a part of which is responsible for a particular
- 17) are made up of and



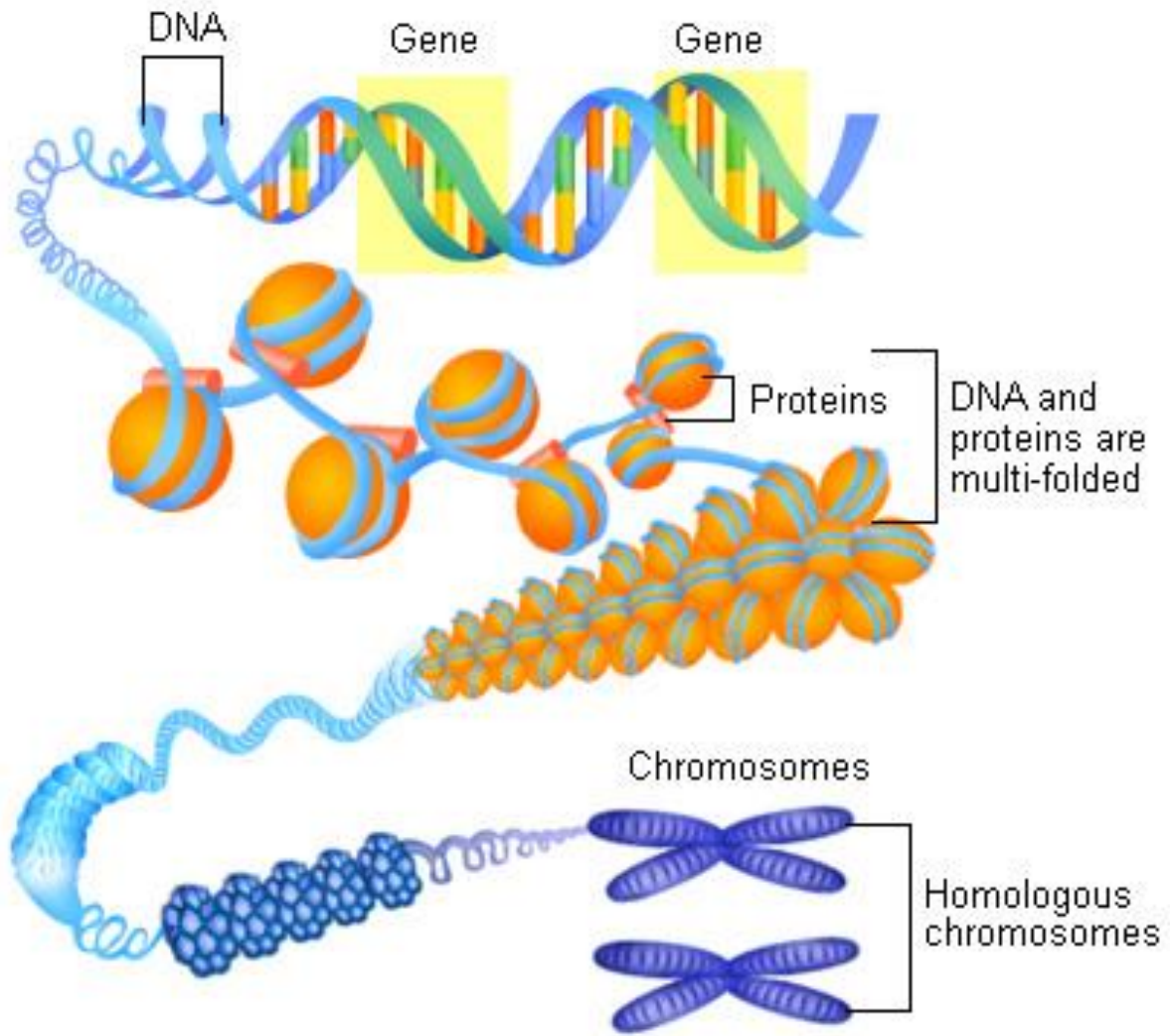


The Structure of DNA

Chromosomes are made of DNA. Each chromosome contains thousands of genes. The sequence of bases in a gene forms a code that tells the cell what protein to produce.



Charan



Ch

Gene linkage

- 1) There are two for each
- 2) These two are located at the same of two belonging pair.
- 3) A pair is two having same and same one given by the gamete and the other given by the gamete.
- 4) are produced due to cell division.
- 5) Therefore when producing, the chromosomes get separated and go to two
- 6) Therefore with the, the two responsible for a particular character will also get separated and go to two
- 7) There are so many in one
- 8) The on the same Which are responsible for different cannot get
- 9) This is called
- 10) was introduced by a scientist called