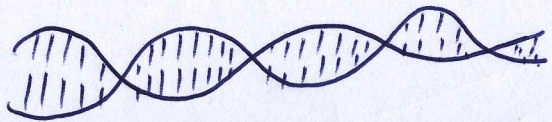


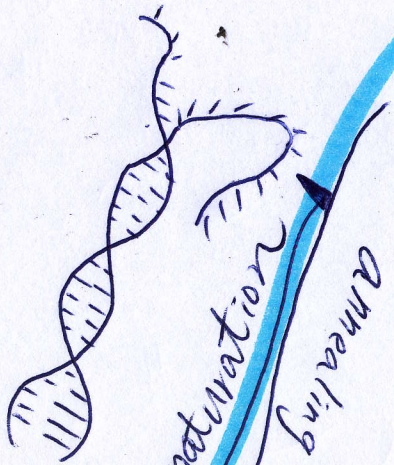
Denaturation & Annealing of DNA

(hyperchromic effect)

(UV absorption)



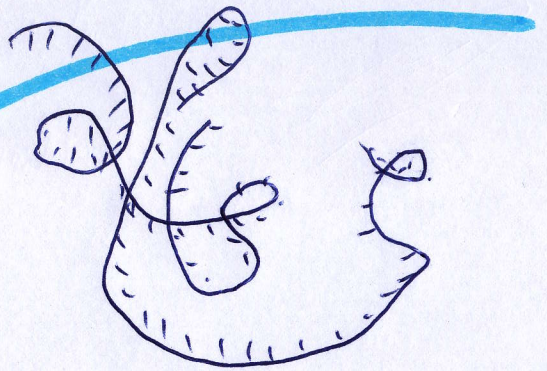
(hypochromic effect)



denaturation

annealing

melting temperature
(1:1 ratio double: single strands)



- Cytosine - Guanine base pair required higher energy to separate bond
- adenine - thymine base pair required lower energy to separate bond

60°C

70°C

80°C

90°C

(temperature)