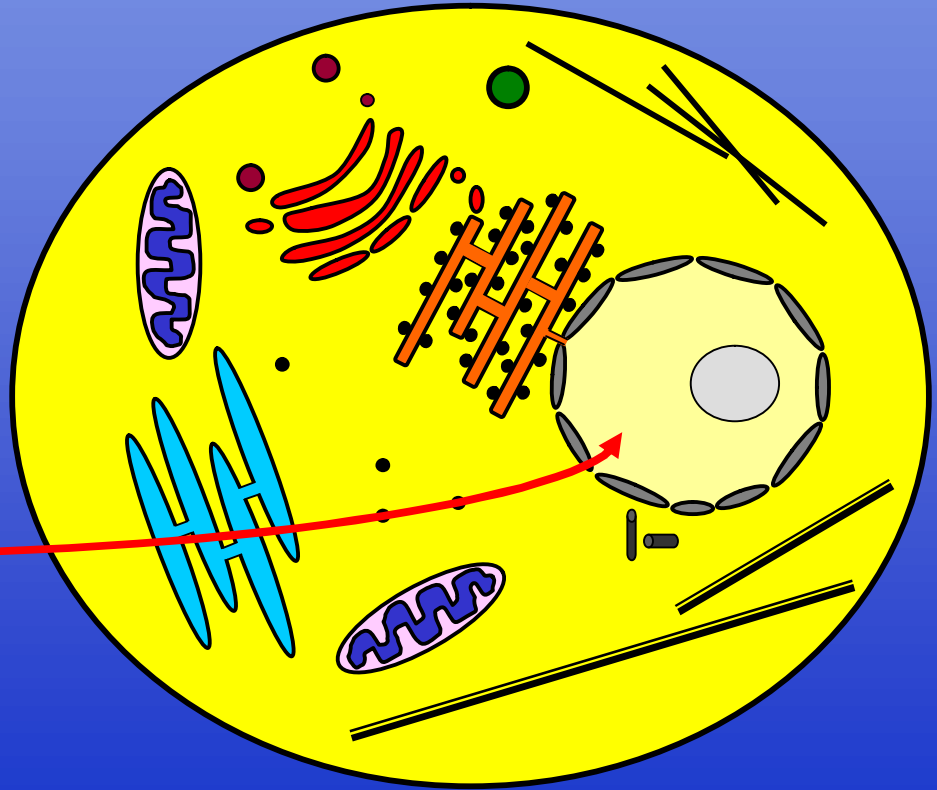
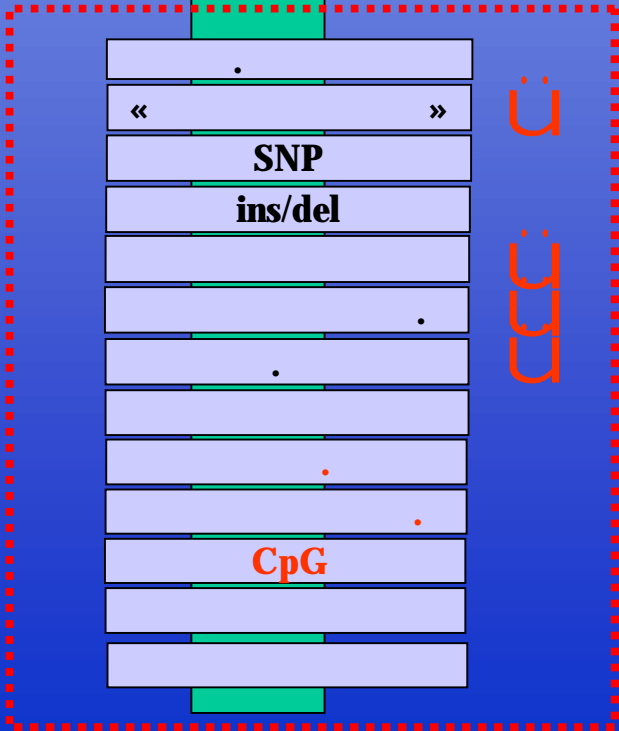
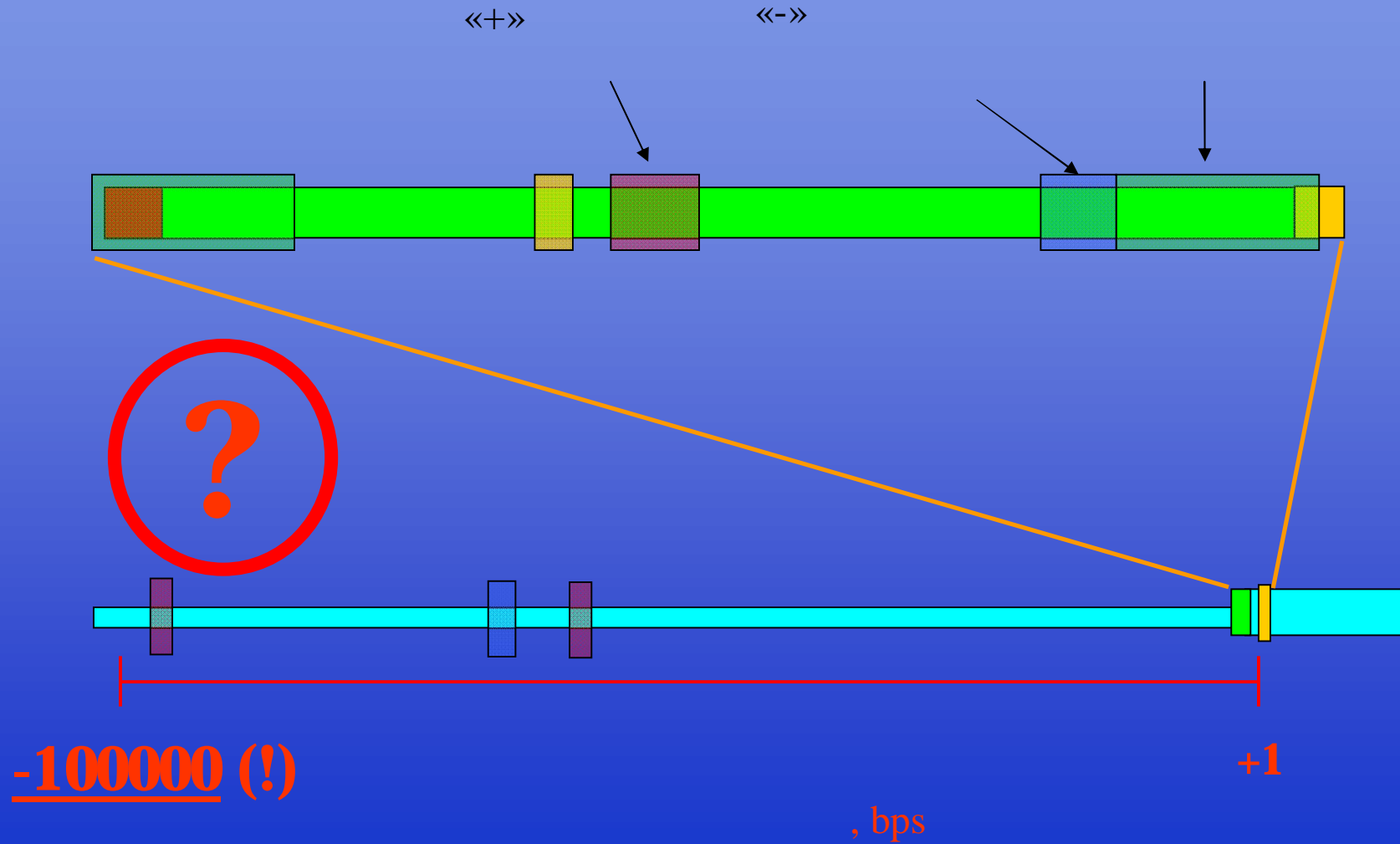


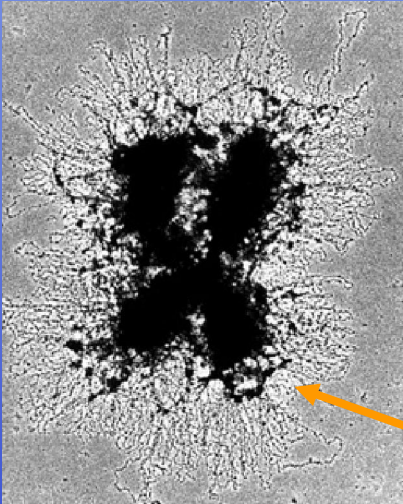
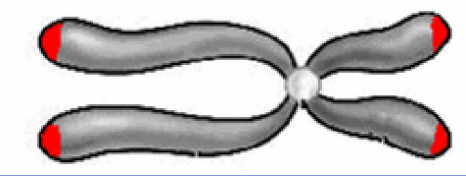
1D

1D





3D



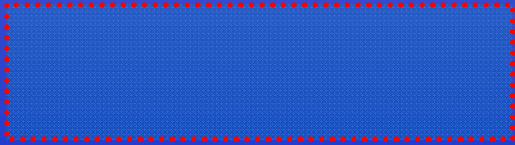
« » (5..25Mb)

“ ” (0.2..1Mb)

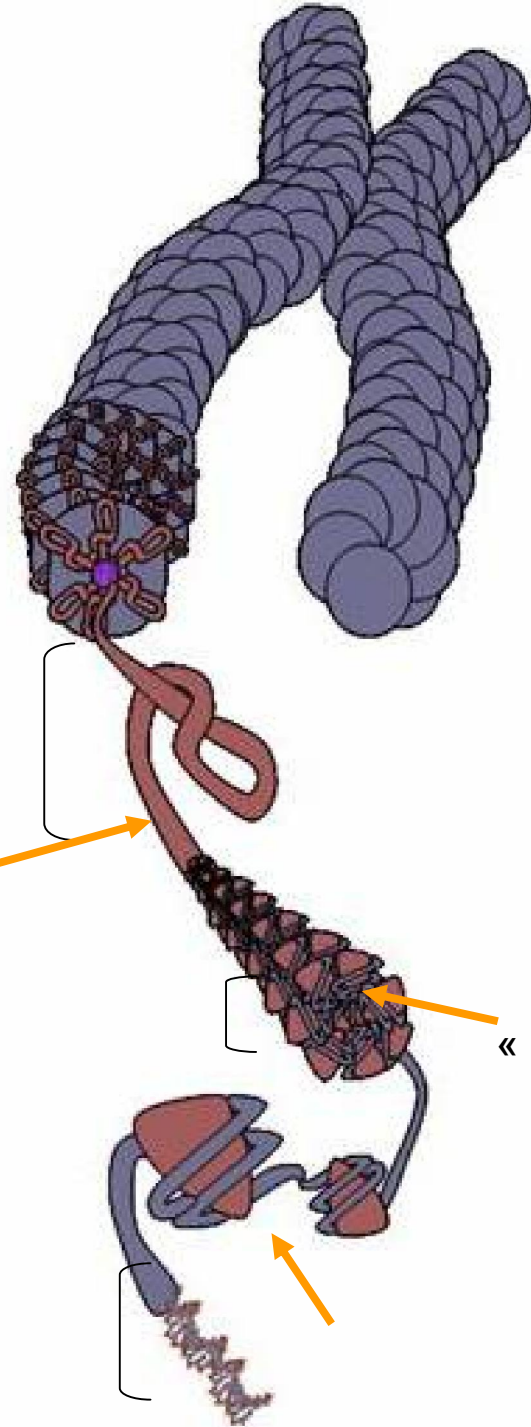
(20..100Kb)

30

« » (1.2Kb)



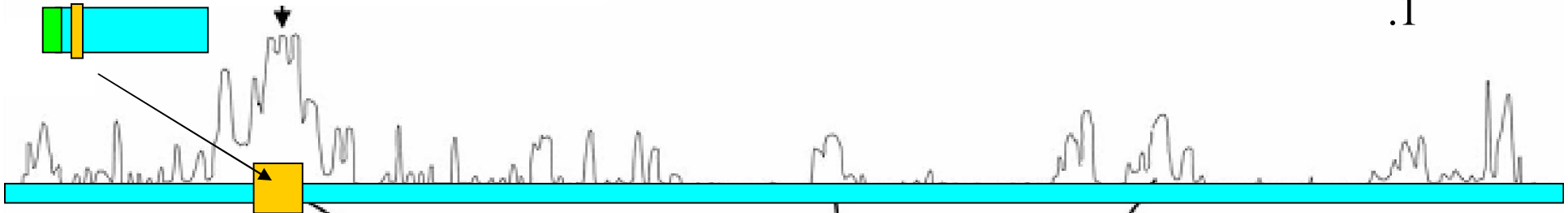
2



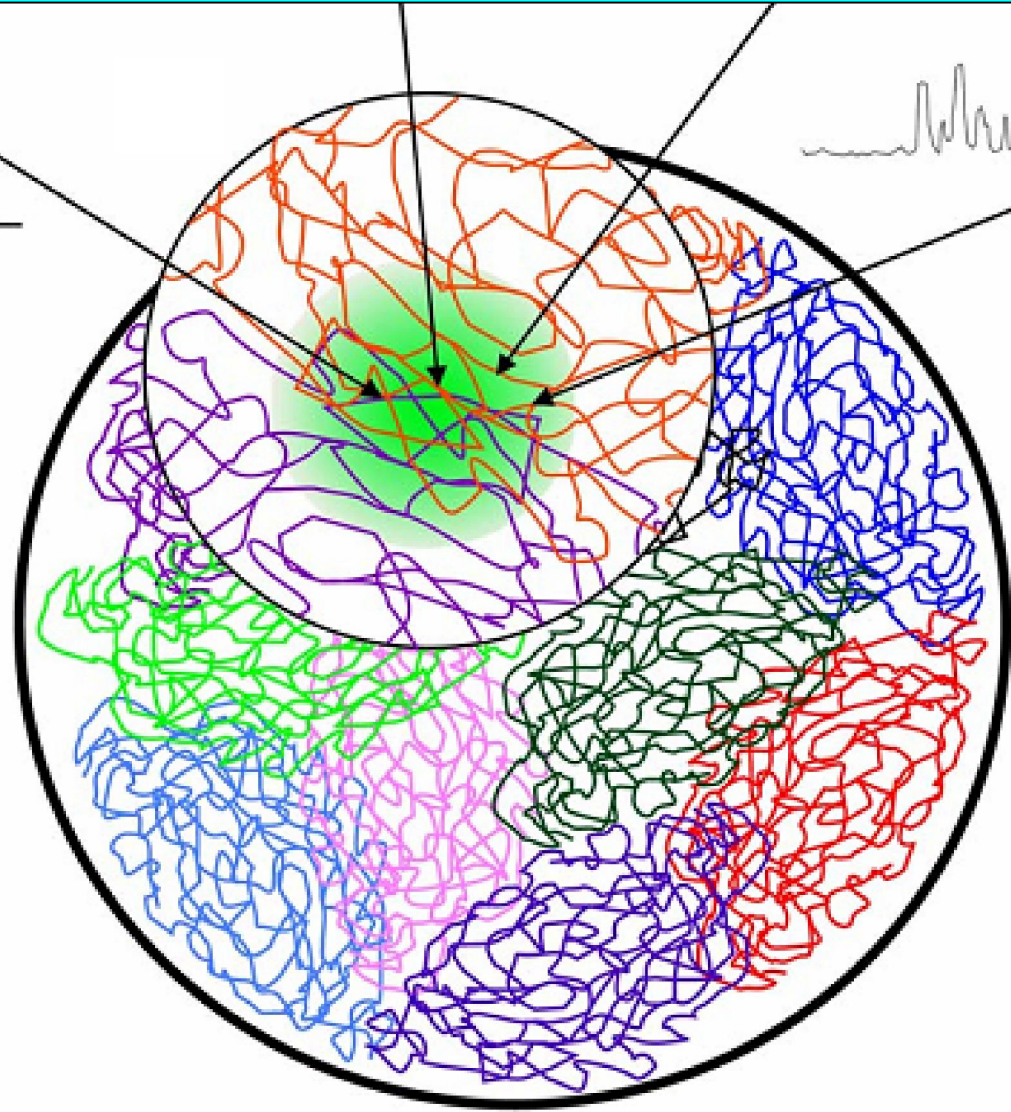
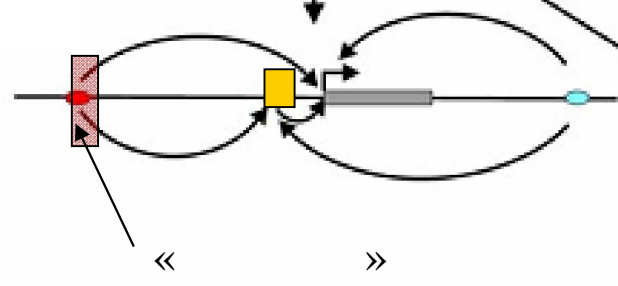
«

»

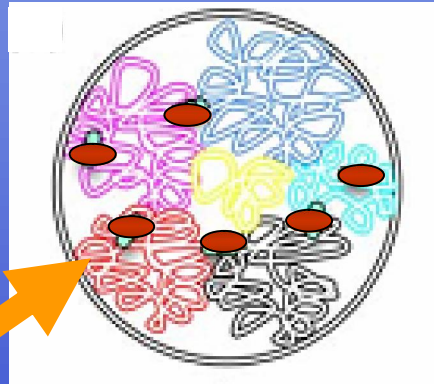
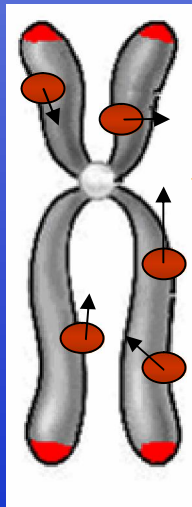
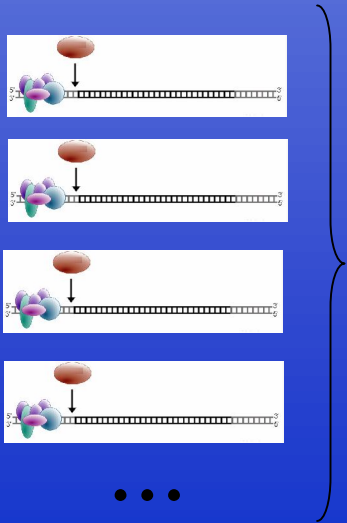
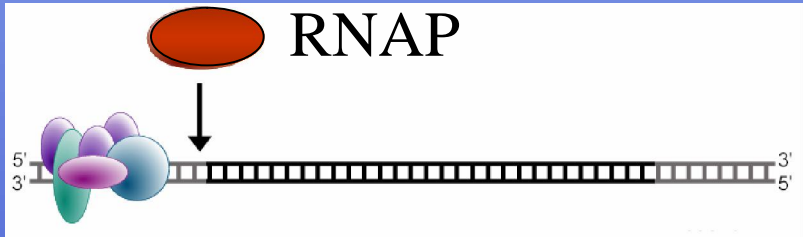
.1

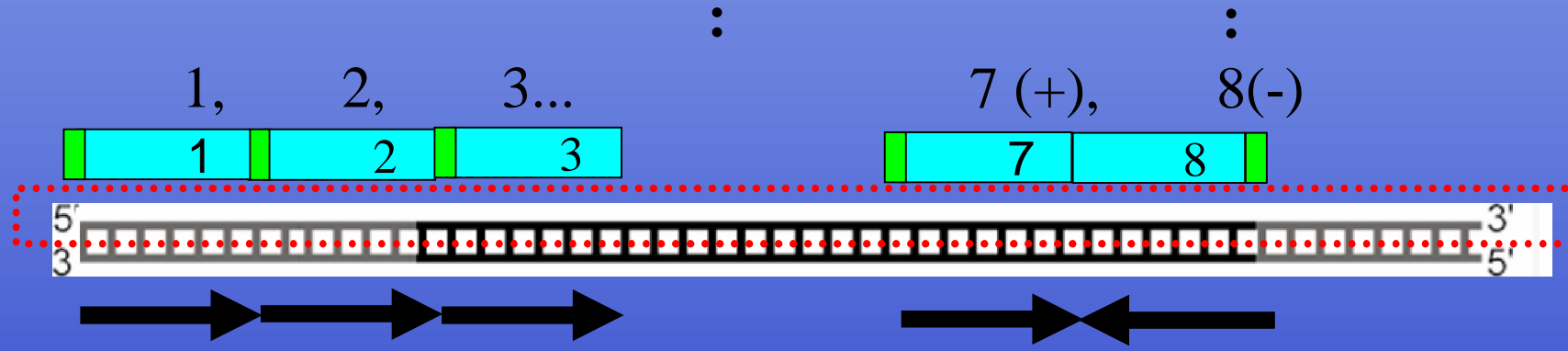


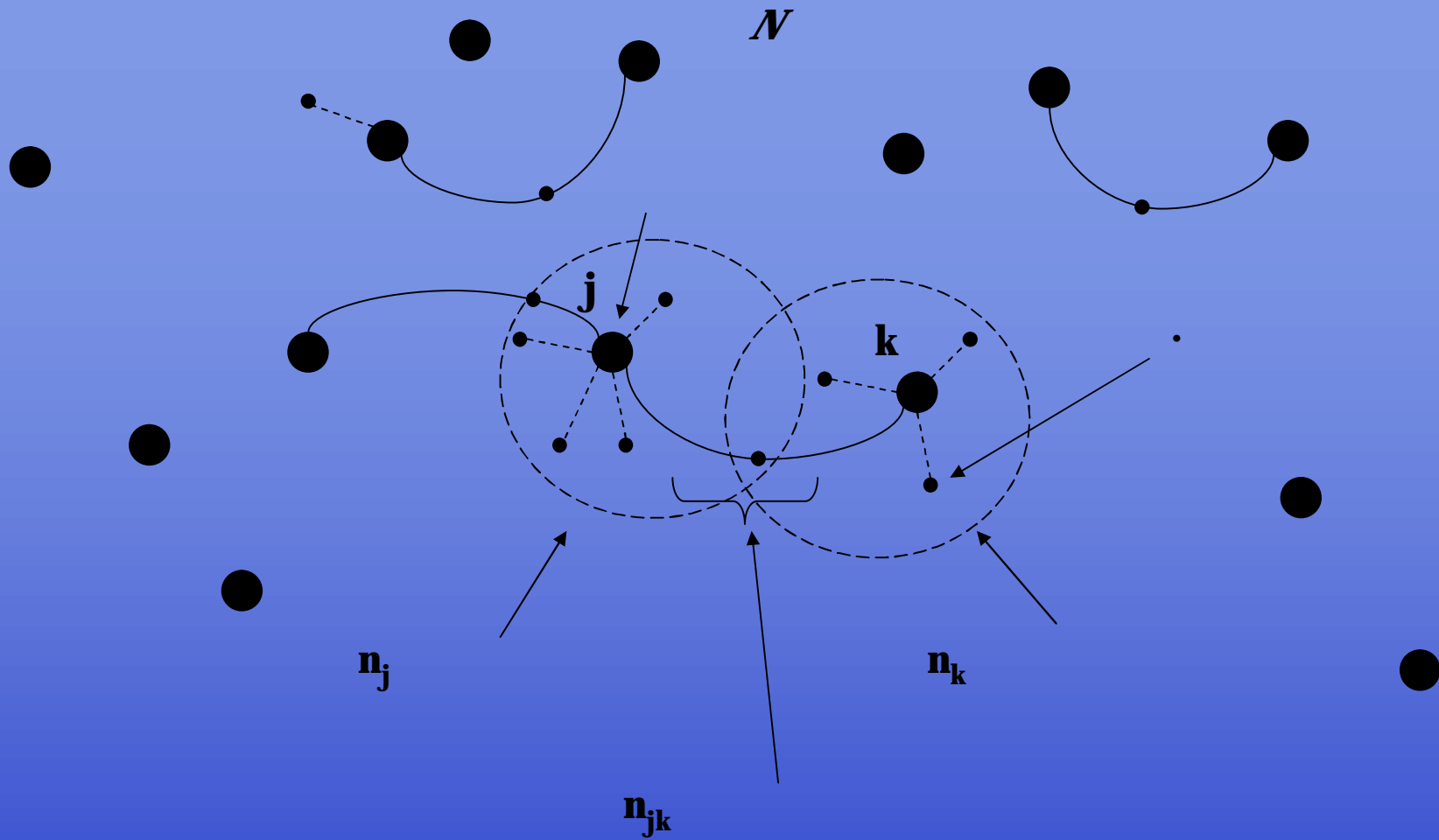
.2



•
•





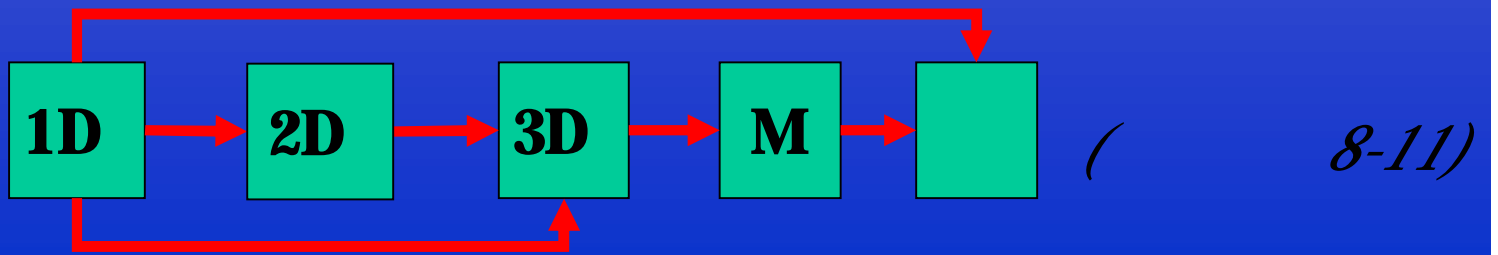
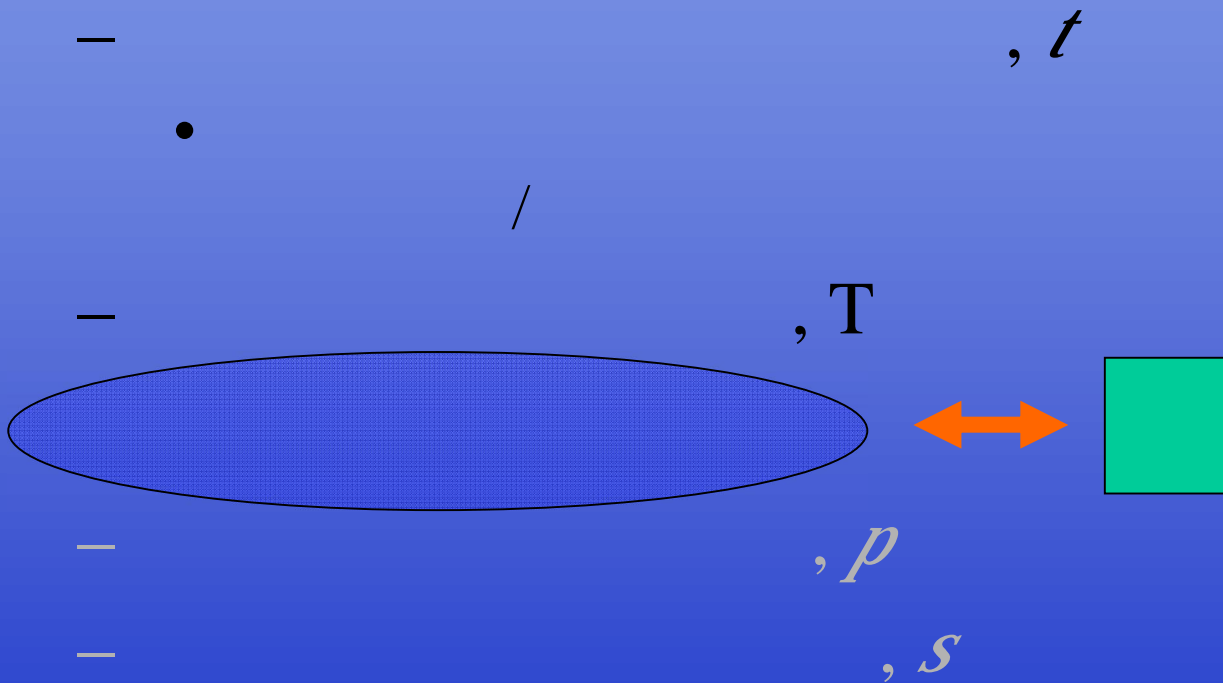


$$\lambda_f = \frac{\sum_{j=1}^N \sum_{k=j}^N n_{jk}}{N}$$

Functional **L**inkage coefficient

$$\sigma_f = \frac{\max(\text{network})}{N}$$

Size of the **F**unctional network

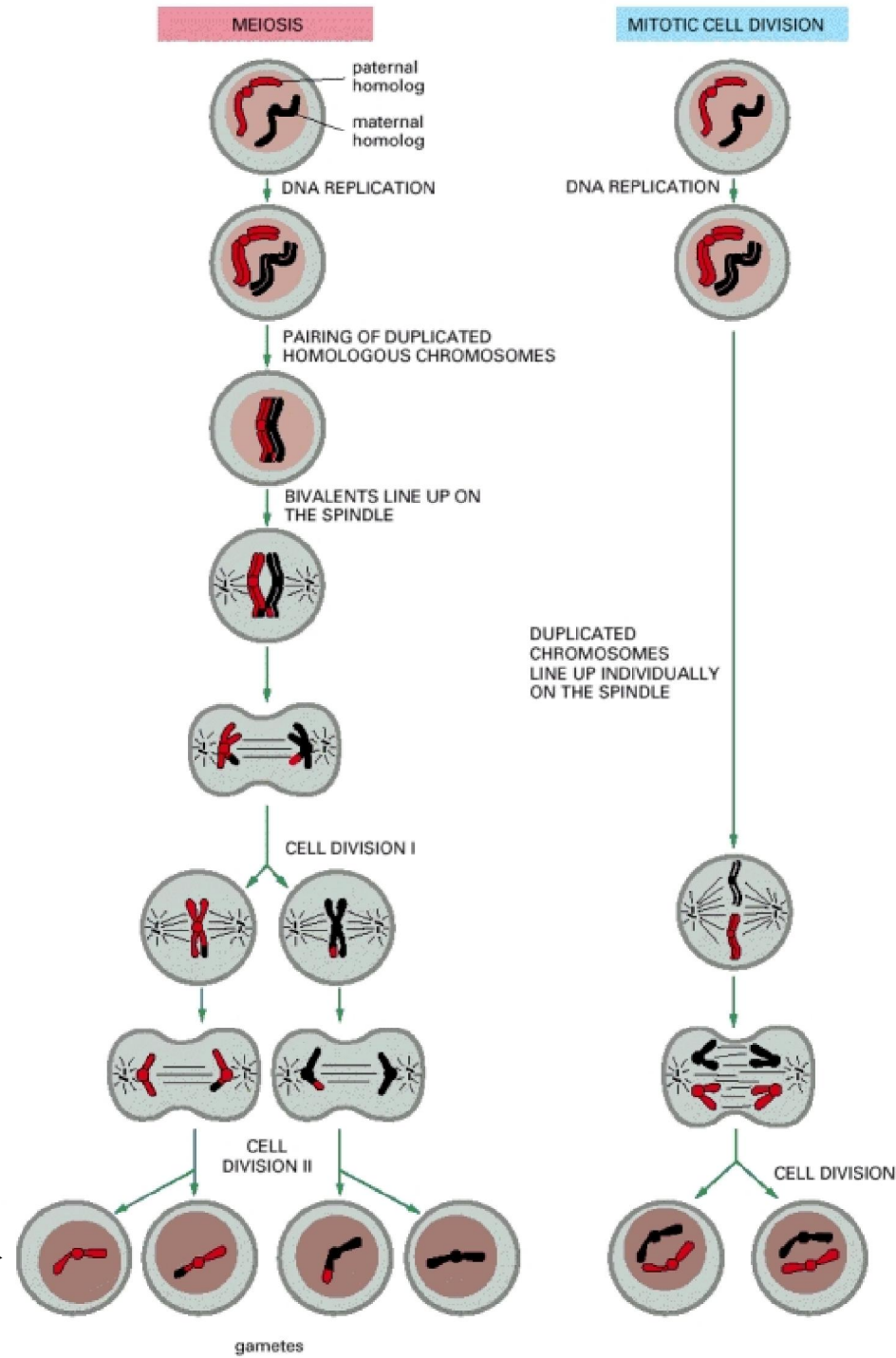


SNP

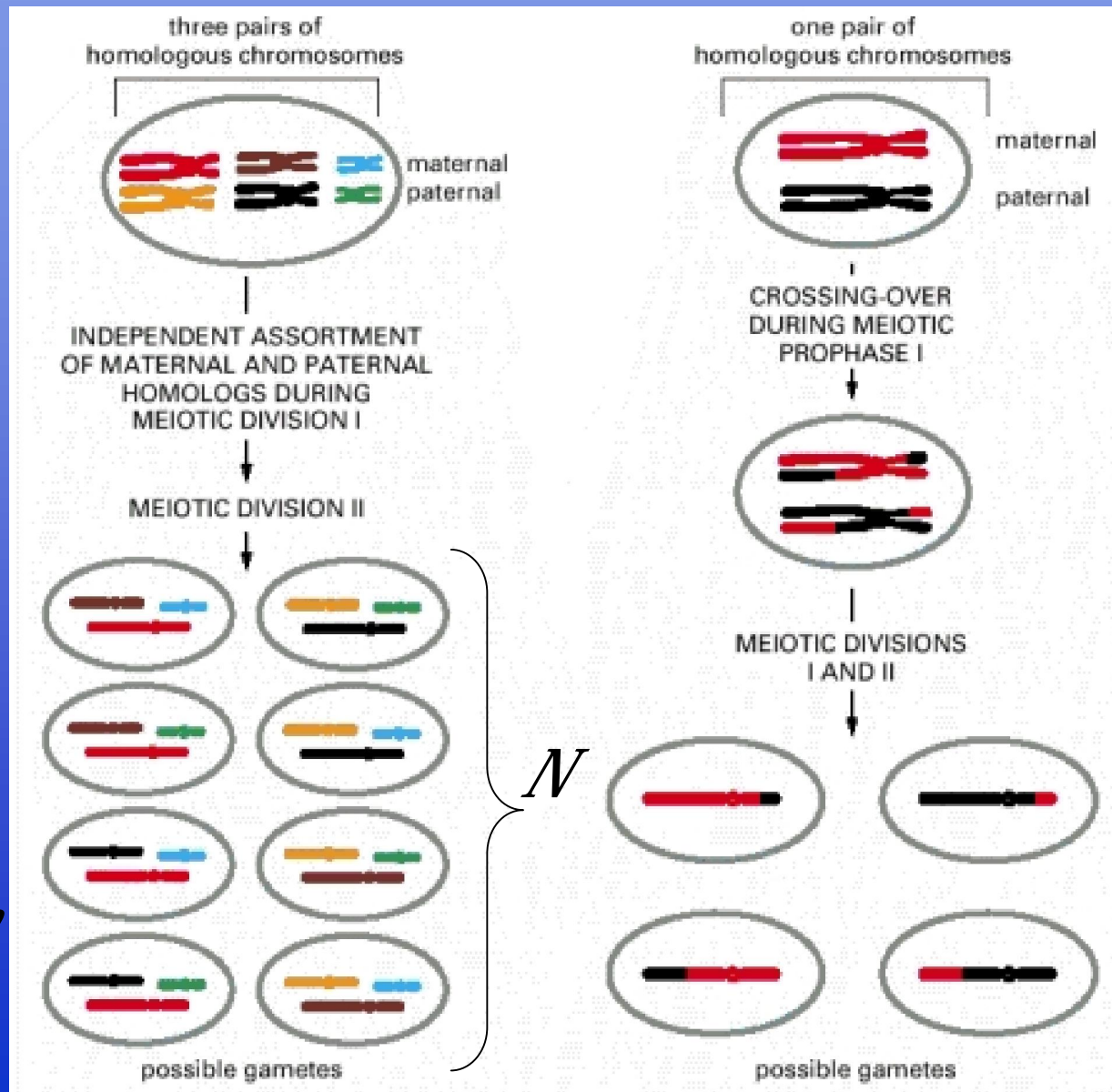
3:1

MEIOTIC DIVISION I

MEIOTIC DIVISION II



	()
-	- ,
()	, (SNP, CNV) ,
- ,	, ,
	, ()-

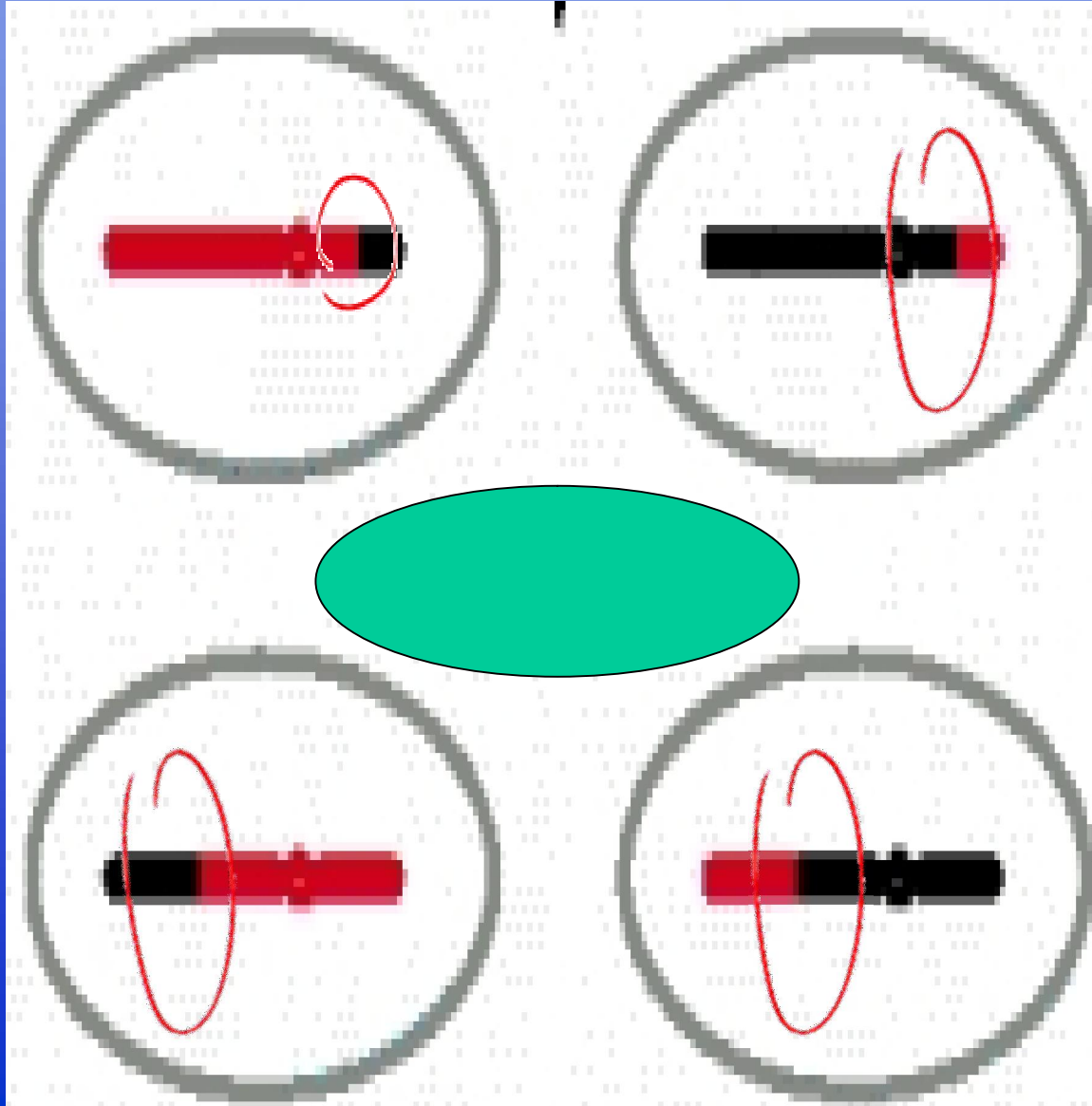


$$n=23$$

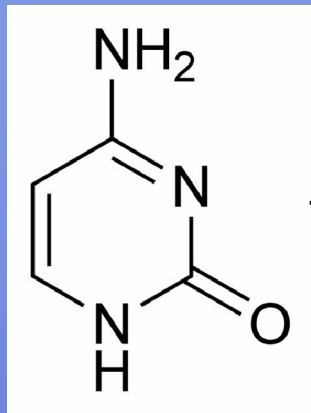
$$N=2^n$$

$$N$$

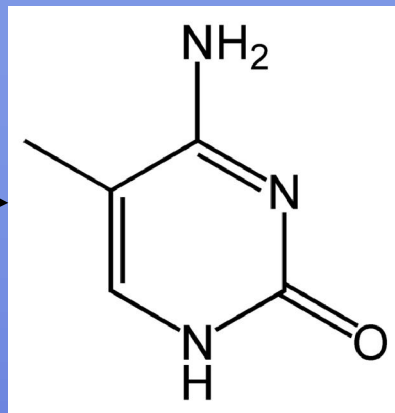
$$N \gg 2^n$$



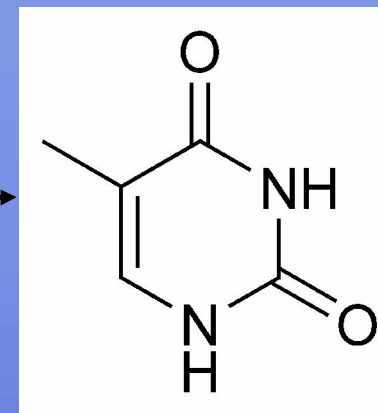
CpG



+SAM, DNMT



+ 2



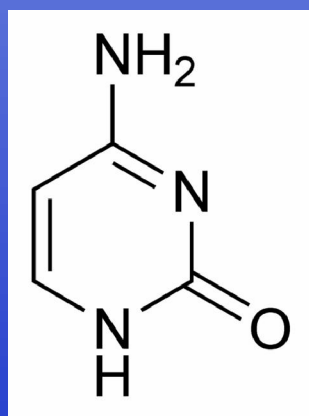
-

()

5-

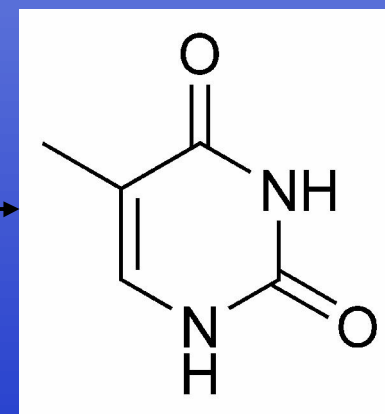
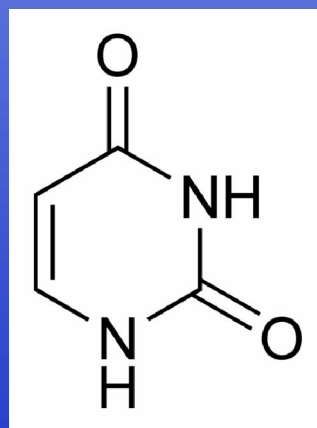
-

()



+ 2

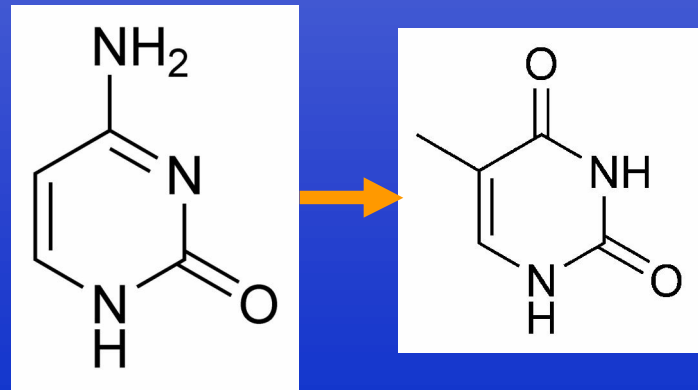
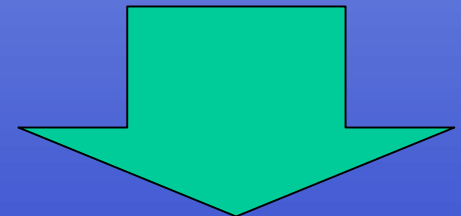
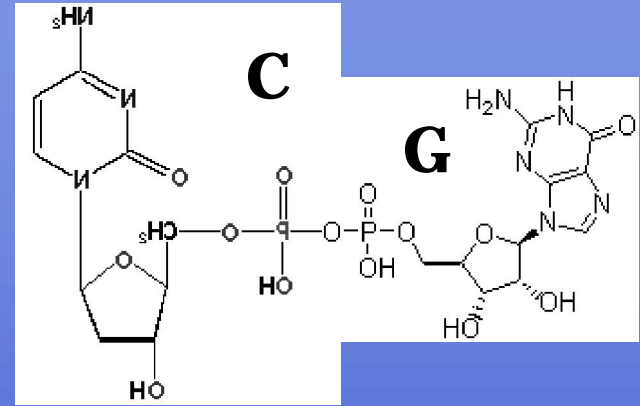
UNG or SMUG1



<<

>>

CpG”)
CG (



«

» CpG

- : CG (Takai, 2002)
 - G+C >50..55%,
 - CG . . (observed/expected) >60..65%
 - >6 CG 200
- CpG
- 5-15 1Mb (. . ~ 1 CpG 1..4);
- *(Feltus, 2003):*
 - TCCCCCN**CG**;
 - TTTCCTN**CG**;
 - GGAGNAAG**CG** .

