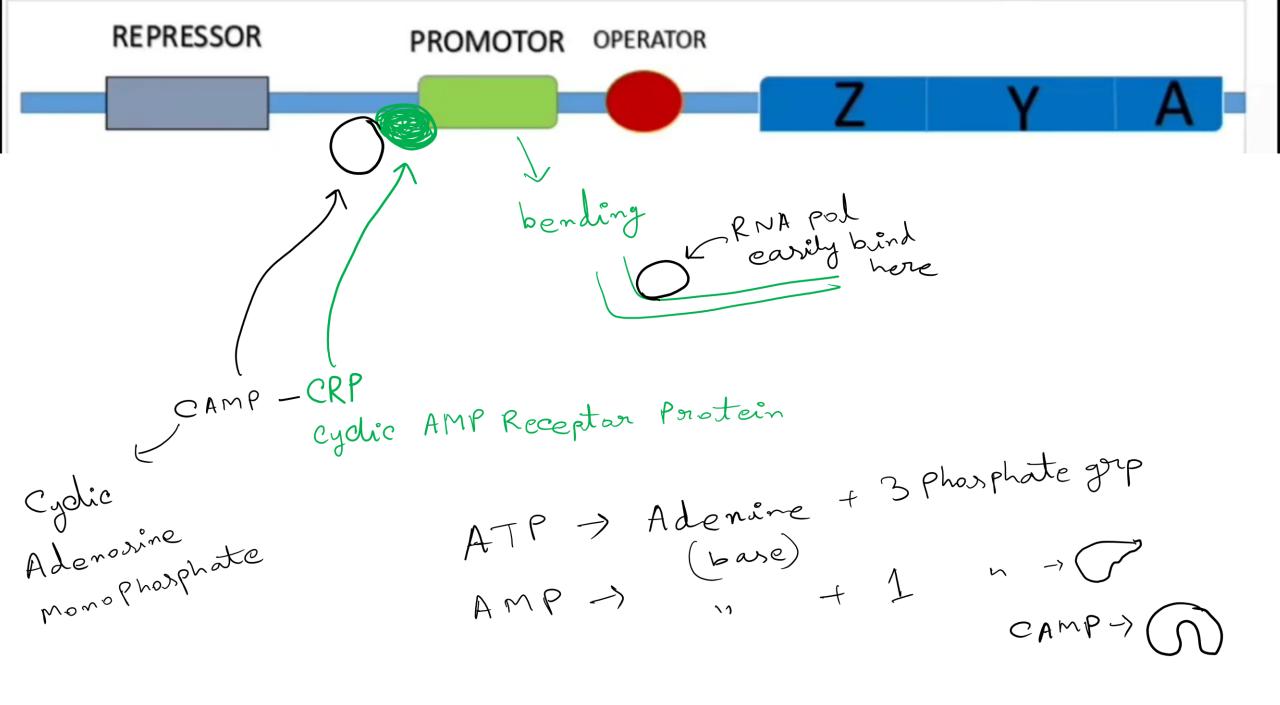
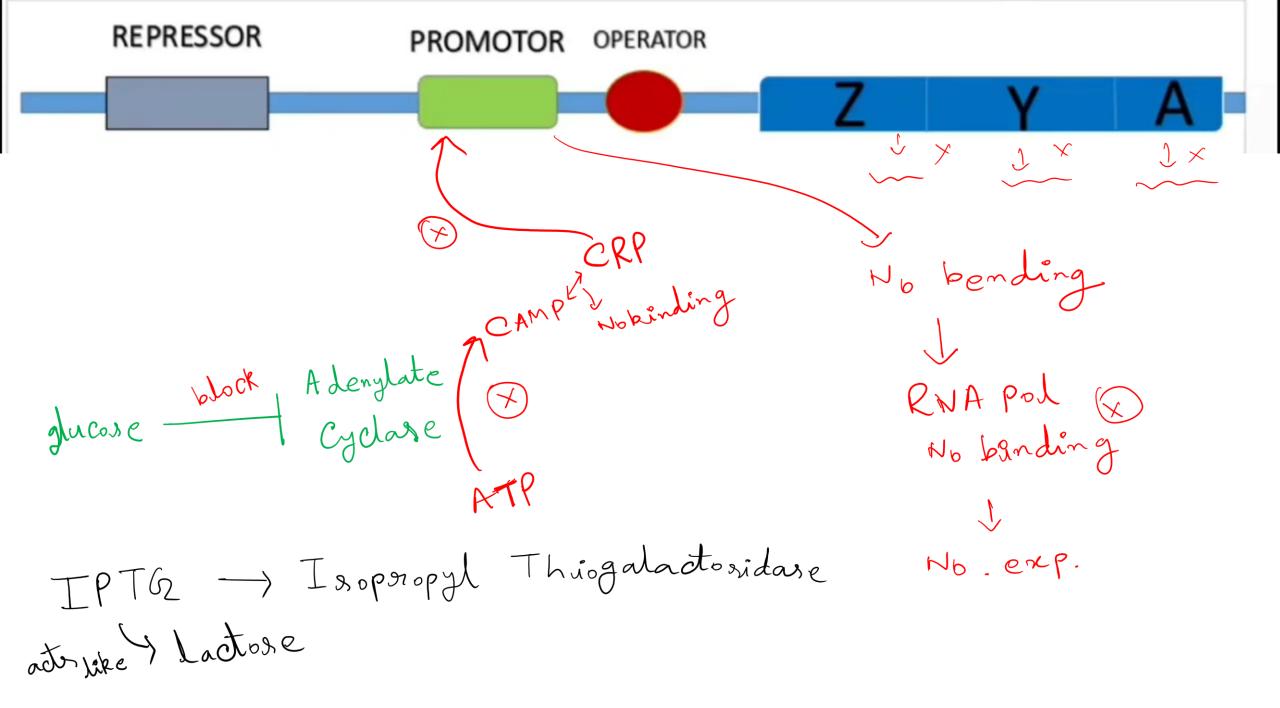
Effect of Glucose on Operon

MicroDome Sayan Ganguly 23.04.25

Bacteria prefer glut lach mose block lactore Tucose , Jac , Stationary Log diauxic growth curve

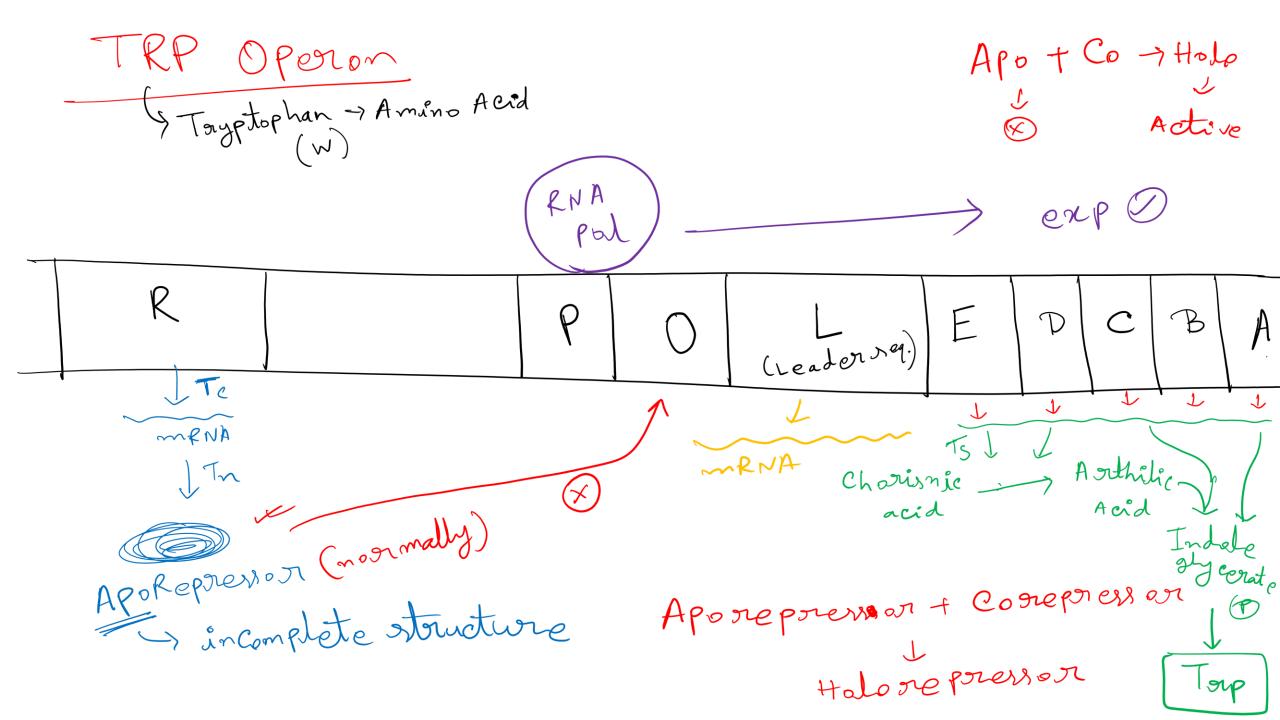


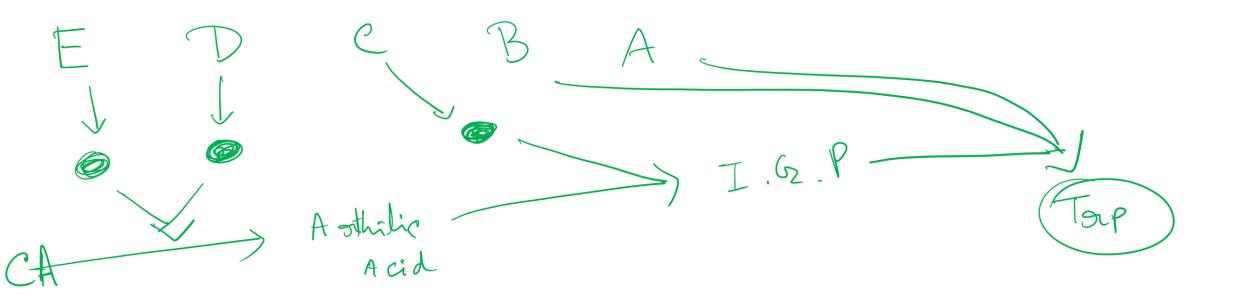


Initial -> glucare 111 Inutial Final A denylate cyclare Inducible operon ATP CAMP-CRP no binding Inactive -> No. exp. glucose III RNA pol ATP _ Ademylate cyclase - CRP bend

> promoter 1

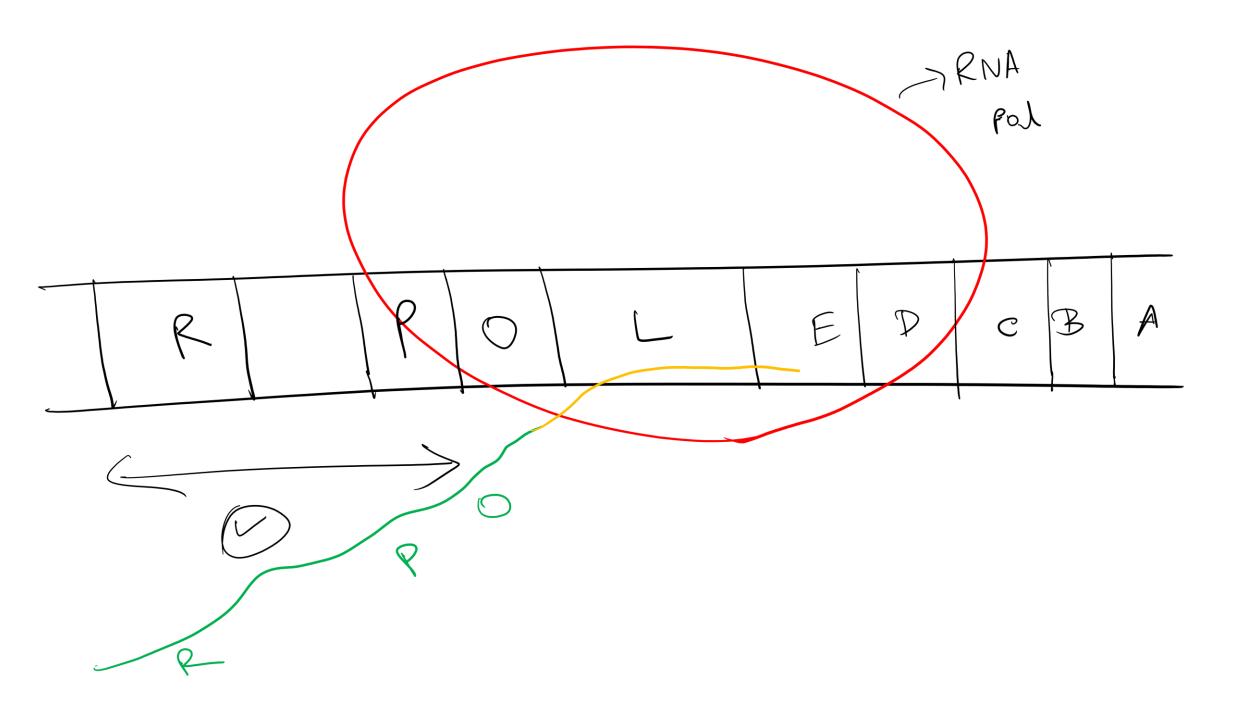
| Celucose | Lactore | | CAMP | Trancoup |
|----------|---------|-------------------|------|----------|
| Hügh | Low | \rightarrow | Low | Low (x) |
| Low | Hågh | \rightarrow | Hägh | Hägh |
| Hågh | High | \rightarrow | Low | Low |
| Low | Low | \longrightarrow | Hågh | Low |
| | | | | |
| | | | | |





Leader seq. mRNA mRNA

MRNA (L) 1st complementary -> 2nd



If terminates gener to terminates to year. gener will be syntherized?

Thank You!