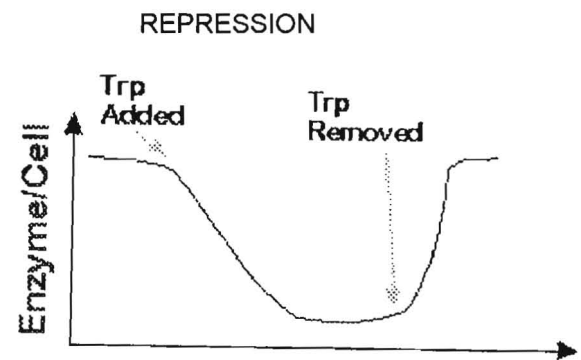
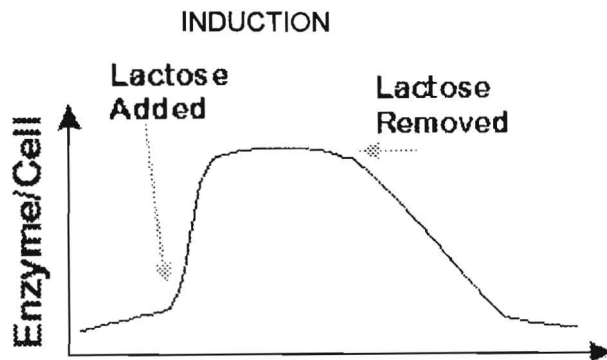


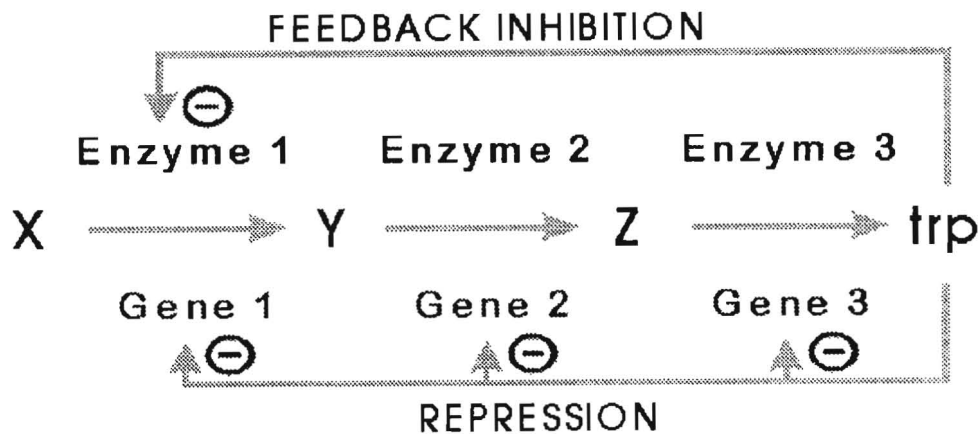
INDUCTION VS. REPRESSION



Terminology

Enzyme	Effector	Effect of adding Effector	Phenomenon is called	Synthesis is said to be	Effector is called
beta-galactosidase	lactose	Enz. Synthesis starts	induction	inducible	inducer
tryptophan synthetase	tryptophan	Enz. Synthesis stops	repression	repressible	co-repressor
any glycolytic enzyme	none	none (Enzyme Synth. continues)	no special name	constitutive	none

FEEDBACK INHIBITION VS REPRESSION



Name of Phenomenon	What's changed?	Speed	Which enzymes?
Feedback Inhibition	Enzyme activity	fast	First in pathway
Repression	Enzyme amount (Synthesis)	slow	All enzymes in pathway