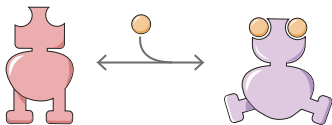


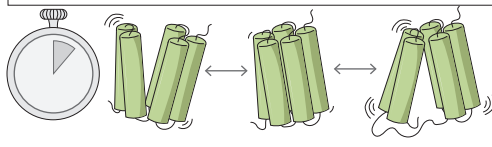
LEVEL OF ADAPTATION

molecular adaptation



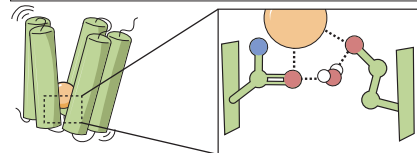
TIMESCALE

short (nanoseconds to seconds)

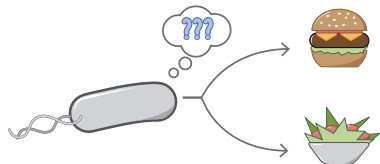


MECHANISM

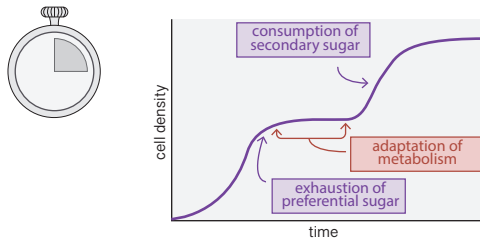
molecular binding and unbinding



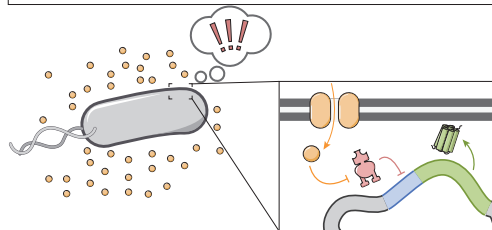
physiological adaptation



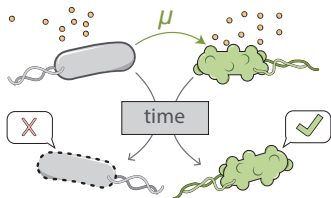
intermediate (minutes to generations)



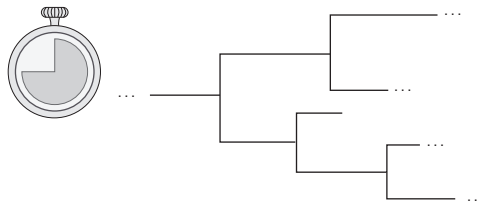
rewiring of reaction networks



evolutionary adaptation



long (many generations)



evolutionary forces

