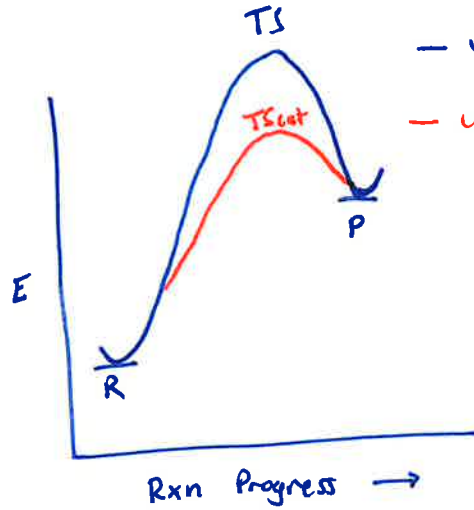
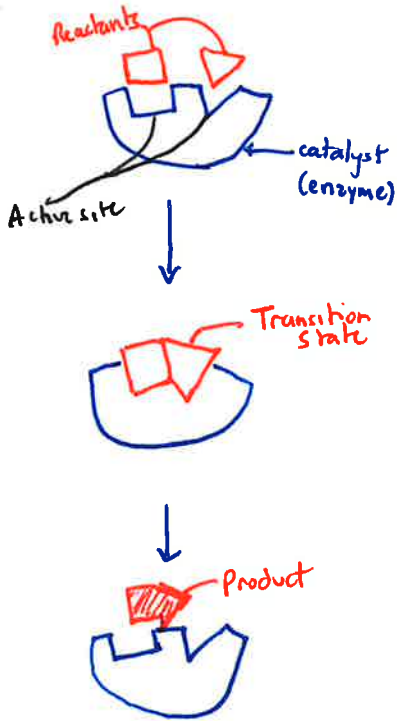


① Catalyst and 0th order rxns

②  $E_a$  and rate

Take Home Exam passed out  
 ↳ in class  
 Canvas Exam - Energy Pathways

Enzymes as Catalysts

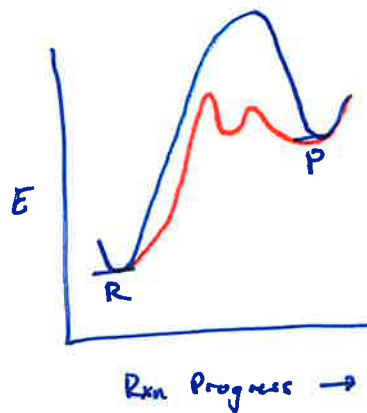


— uncatalyzed pathway  
 — catalyzed pathway



$$k = A e^{-\frac{E_a}{RT}}$$

↑ rate     $\uparrow k$      $\uparrow T$      $\downarrow E_a$



1-step (concerted) vs  
 2-step (stepwise)

