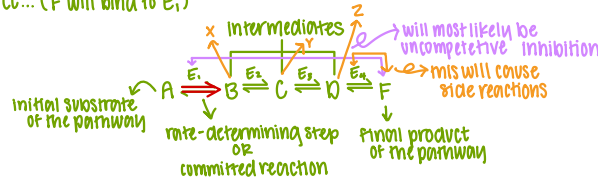


Session 13 10/15/2025

- Define feedback inhibition and draw the reaction

Formation of product inhibits production of itself.

once there is enough product, it will inhibit the production of the production of product... (F will bind to E_1)



- Define and draw a metabolic pathway

Series of reactions that results in a final product that is different from the starting material.



- What are intermediates?

Products of immediate reactions to be used in subsequent reactions.

- Differentiate between a random mechanism and an ordered mechanism.

Random: It does NOT matter which substrate binds first because product will form either way

Ordered: It DOES matter which substrate binds first because product will only form under correct circumstances.

- Draw the reaction and what is happening during a ping pong mechanism.

S binds to E, 1st prod. is released, 2nd sub. binds to E, 2nd product releases.

* the enzyme changes during this rxn

