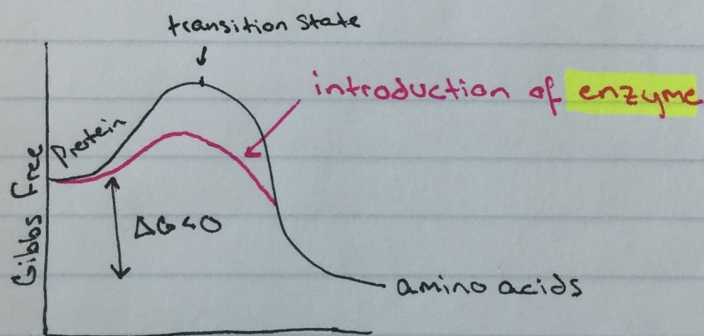
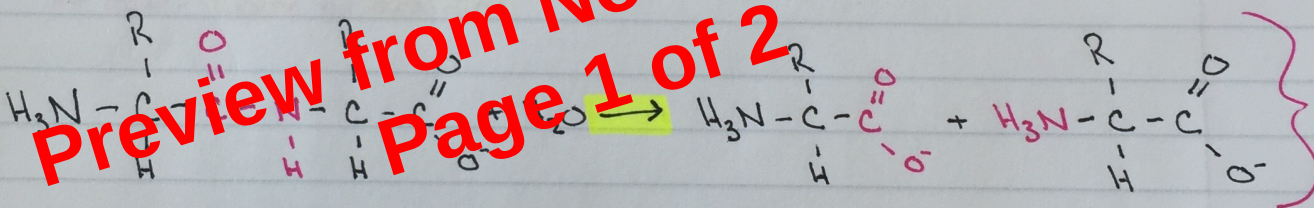


PUTTING PROTEINS TO WORK: ENZYMES

THURS, SEPT 10TH

BIG IDEAS

- Most chemical reactions are **too slow** alone
 - ↳ too slow to support life
- **Catalysts** lower activation energy
 - ↳ forward & reverse
 - ↳ one is usually **favoured**
 - ↳ **specific** to reactions
 - ↳ **unaltered**
 - ↳ **Enzymes** are proteins acting as **catalysts**



- Enzymes are **specific**
 - ↳ structure dictates function
 - ↳ shape/nature of **active site**
- Enzymes are **unaltered**
 - ↳ conforms, but **returns to original shape**