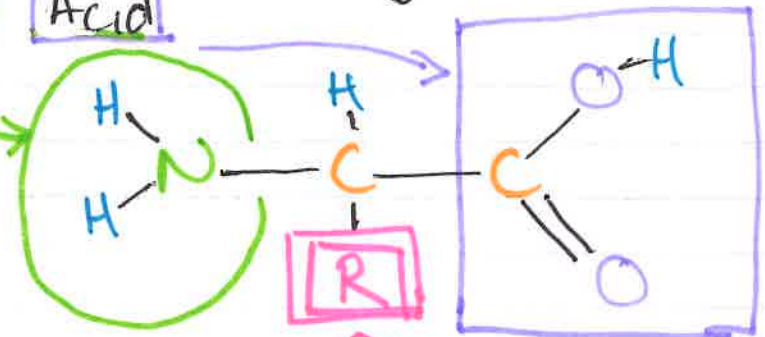


Protein Notes: Monomer & Polymer

Monomer: Amino Acid

- Base stays the same, **R group** changes
- shape/form of **R group** determines how it functions in a polymer
- Only function on it's own is to build a protein polymer



20 different **R groups**
 - come from food
 - or made

Polymer: Polypeptide Chain

many Peptide Bonds strung together



Held together w/ peptide bonds

Folded into final protein



FORM = FUNCTION
 (shape) (job in body)

3 types **Enzymatic = Enzymes (ie lactase)**: Catalyst of many diff RxN

Signaling = Neurotransmitters / hormones / receptors: Send, receive, or block signals

Structural = IE bone, blood, Keratin in hair: Provide support or build hair / finger nails

Denature: to break or reshape protein so it doesn't work



if ~~FORM~~, then ~~FUNCTION~~