of use different R groups

in order to isotactie, both R, and R2 must be in isotactie placement. Usually we call it a dijsotactic isomer.

pH < 7.4 (slightly acidic) } overall neutral

 $-\frac{8}{c} - cH - NH - \frac{8}{c} - cH_2 - NH - \frac{8}{c} - cH_2 - NH - \frac{8}{c} - cH_2 - NH - \frac{1}{c} - cH_2 - CH_2 - NH - \frac{1}{c} - cH_2 - CH_2 - NH - \frac{1}{c} - cH_2 - CH_2 - CH_2 - NH - \frac{1}{c} - cH_2 -$ 

pH > 7.4 (slightly basic) negatively charged choose amino acids with -ort or -c-NHz in the side group.

4

D. Choose arisino seids that have hydrocarbon side groups.

for example, glycine, Alenine, Valine, Leucine.

$$-\frac{R}{c} - \frac{CH}{cH} - \frac{R}{cH} - \frac{CH}{cH} - \frac{R}{cH} - \frac{CH}{cH} - \frac{CH}{c$$

E. optically active side group:

(<del>5</del>)

iso leucine and threoning

All the other amini seids have non-optically active side groups.

An example for the answer could be:

isolewine glycine valine valine optically active non optically active non optically active

F. Anino acids with bulky side groups would nork, for example, proline, phenylalanine, Tryptophan.

poly proline

H. Any amino acid with positively Charged side group at PH = 7.4

e.g. Lysine and Arginine both here positively charged side groups.

G. The most flexible peptide chain is

poly glycine