

L5 Biochemistry: 20 Questions

Q1

What processes allow a protein to change shape?

Q2

Where are residues in the active site located?

Q3

Which amino acids can be reversibly phosphorylated?

Q4

What does phosphorylation of a protein allow it to act as?

Q5

Describe glycosylation:

Q6

Describe hydrophilic structure and function

Q7

Describe gamma-carboxylate

Q8

What are serine proteases function?

Q9

What is a protein family?

Q10

What does a reaction mechanism show in a catalytic cycle?

Q11

How is a reaction mechanism drawn?

Q12

What are post-translational modifications?

Q13

What is a Lewis structure?

Q14

What is the difference between a single and double headed arrow in a reaction mechanism?

Q15

How is a Lewis structure drawn?

Q16

If the active site of a protein binds too tightly to the substrate, what would happen?

Q17

If the active site of a protein binds too weakly to the substrate, what would happen?

Q18

When would a polypeptide likely fold into multiple domains?

Q19

Are all enzymes highly specific?

Q20

Draw all 20 side chains