



Describe the pathway of a secreted protein.

Location and forms of post-translational modifications

What are the roles of kinases and phosphatases?

## Proteins (KA2)

Explain the role of positive and negative modulators.

What is the proteome?  
Why is the proteome larger than the genome?

Name the four amino acid R group categories.

Describe primary protein structure.  
Include the type of bonding.

Describe secondary protein structure.  
Include bonding and structural features.

Describe the translation of the cytosolic proteins and secreted proteins.

Give a definition of a ligand

Describe the conditions which would lower the affinity of haemoglobin for oxygen.

Describe tertiary protein structure  
Include bonding

Describe quaternary protein structure.