

# QB1 – Quaternary Structure and Functional Proteins

Name:

Date:

1. Describe the quaternary structure of a protein.
2. Explain why not all proteins have a quaternary structure.
3. Why is it necessary for some proteins to have a quaternary structure?
4. What are the components of a conjugated protein? Give an example of a conjugated protein.
5. Explain the difference between a fibrous and a globular protein.
6. The diagram below shows an example of an insulin protein. With reference to this, define the following:

Primary Structure:

Secondary Structure:

Tertiary Structure:

Quaternary Structure:

Prosthetic Group:

