

# QA5 - Inhibitors

Name:

Date:

1. Thermolysin is an enzyme which can break down peptide bonds. A new inhibitor has been discovered which stops thermolysin from working. Explain how an inhibitor does this.
2. Which two factors are most important in considering the complementarity between a ligand and a substrate?
3. Why might it be important that a drug doesn't bind too strongly to the active site?
4. Explain the difference between an inhibitor and an allosteric modulator.
5. Explain the advantage of using computational modelling when designing drugs such as inhibitors.