

# QA8 – Enzyme Inhibitors

1. Give the definition of an enzyme.
2. Name the two types of inhibition:
  - 1.
  - 2.
3. Describe competitive inhibition.
4. Explain the differences between competitive and non-competitive inhibitors.
5. Substrate concentration is one factor which affects the activity of enzyme inhibitors. Complete the following sentences:
  - For \_\_\_\_\_ inhibition, when the substrate concentration is increased then the effect of the inhibitor is \_\_\_\_\_
  - For \_\_\_\_\_ inhibition, when the substrate concentration is \_\_\_\_\_ it will have no effect on the inhibitor.

6. Describe how a gradual change in temperature from 0 °C to 100 °C would affect the salivary amylase enzyme. Explain your answer.