

Success criteria

The student assessor should tick the appropriate box for each criterion and then fill in the examples section below the table.

Criteria	Completely met	Partly met	Not met
Explains that the shape of the active site matches the shape of substrate molecule			
Explains that molecules with a different shape will not fit the active site and so will not bind to the enzyme			
Explains that the shape of the active site is part of the tertiary structure of the enzyme			
Explains that the tertiary structure is held in place by weak bonds between R-groups of amino acids			
Explains that the shape of the active site depends on sequence of amino acids making up the primary structure of the enzyme			
Explains that the weak bonds include instantaneous dipole - induced dipole attractions, hydrogen bonds and ionic interactions			
Explains that the substrate molecule binds to the active site using weak bonds which are easily broken to allow products to leave			
Explains that heating causes bonds holding the tertiary structure together to vibrate vigorously and break resulting in a change of shape of the active site			
Explains that changing the pH disrupts the ionic interactions holding the tertiary structure together resulting in a change of shape of the active site			
Uses scientific words correctly			
Explains ideas clearly			
Diagrams help explain ideas			

Name of assessor

Student assessor examples of what is good about this account

**Student assessor suggestions of what has been missed out or
how it could be improved**

How I could improve my account

Name