

2.2.3 Enzymes




Self Assessment

Where is your learning at?

Green - I know it all

Orange - I have some idea – study the sections in more detail

Red - I need to start studying this section

	Can You	Green 	Orange 	Red 
1	State what enzymes are			
2	State how enzymes work			
3	Say why the shape of an enzyme important			
4	Explain the role of enzymes in plants and animals including role in metabolism			
5	Explain the effects of pH & temperature on enzyme activity			
6	Describe the steps involved in bioprocessing			
7	Give the advantages of bioprocessing			
8	Give examples of the uses of bioprocessing			
9	Give the function of enzymes			
10	State what the “Active site” of an enzyme refers to.			
11	Describe the activity to investigate the effect of pH on enzyme rate			
	Draw a labelled diagram to show how you would carry out this experiment			
12	Describe the activity to investigate effect of temperature on enzyme rate			
	Draw a labelled diagram to show how you would carry out this experiment			
13	Describe the activity to prepare one enzyme immobilisation and examine its application			
	Draw a labelled diagram to show how you would carry out this experiment			
14	Describe the activity to investigate the effect of heat denaturation on enzyme activity			
	Draw a labelled diagram to show how you would carry out this experiment			

2.2.7.H Enzymes

Extended Study




Self Assessment

Where is your learning at?

Green - I know it all

Orange - I have some idea – study the sections in more detail

Red - I need to start studying this section

	Can You	Green 	Orange 	Red 
1	State what the “Active site” of an enzyme refers to.			
2	Explain the Induced Fit theory of Enzyme action			
3	Say what is meant by the term “Optimum activity” of an enzyme as applied to pH range			
4	Say what is meant by denaturation of a protein			
5	Say how heat denaturation occurs			
6	Describe the activity to investigate the effect of heat denaturation on enzyme activity			
7	Draw a labelled diagram to show how you would carry out this experiment			