

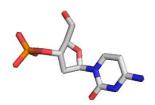
RC2 - Enzymes, Enantiomers, and DNA – Chemistry Revision

	1	7	
What is the monomer subunit of an enzyme?	Substrates can exist as enantiomers. Define the term enantiomer:		Label the
Enzymes are examples of biological catalysts. In general, how do enzymes do this?	Draw the enantiomer of the drug shown below:	Winth	Describe
Why are enzymes stereospecific? And how are they able to differentiate between two enantiomers?			nucleotic explain h
How does an inhibitor stop an enzyme working as effectively?	How do the chemical properties of two enantiomers differ?		Draw the
		DNA exists as a double helix structure. Explain why the two DNA strands involved are said to be complementary:	
	How do the physical properties of two		Give a us
	enantiomers differ?		Explain h
	How can two enantiomers be differentiated?	Which type of bonding joins the two DNA strands together? How does this type of bonding arise in DNA?	Why can And how
V ~			

Produced by Adam Stubbs at Newcastle University as part of a summer outreach project.



he three components of a DNA nucleotide:



be how a single strand of DNA can form from otide units. State the type of bonding involved and n how these bonds form:

the structure of the complex cisplatin:

use of the complex cisplatin:

how cisplatin achieves this:

an drugs such as cisplatin have adverse side effects? ow can these be limited?