The diagram shows part of a molecule.

This molecule is found in the nucleus of cells.



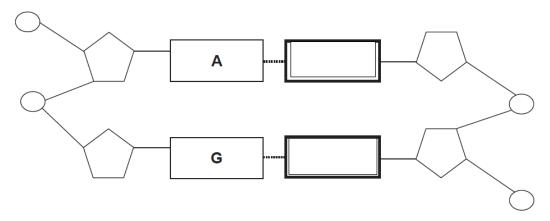
Source: CCEA

Look at the diagram.

(a)	(i)	Name this molecule.

(ii)	i) What term is used to describe the shape of this mole					

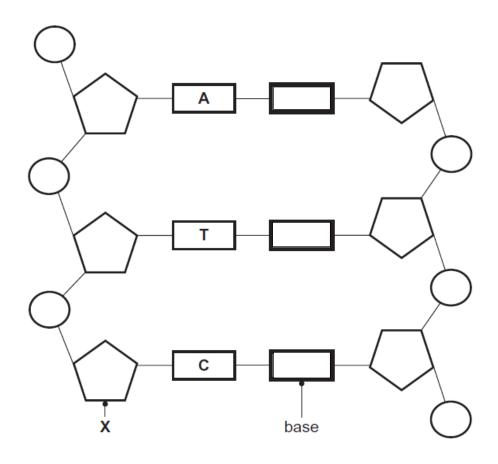
The diagram shows a section of this molecule.



Look at the diagram.

- (b) (i) Draw a circle around a sugar in this molecule. [1]
 - (ii) A and G are bases.
 Complete the diagram by writing the letter for each matching base in the empty boxes.

The diagram shows part of a DNA molecule.



- (a) Complete the diagram. Place the correct letters for the bases in the boxes. [2]
- (b) What is molecule X?

Draw a circle around the correct answer in the list below.

protein phosphate amino acid starch sugar [1]

(c) What term is used to describe the shape of a DNA molecule?

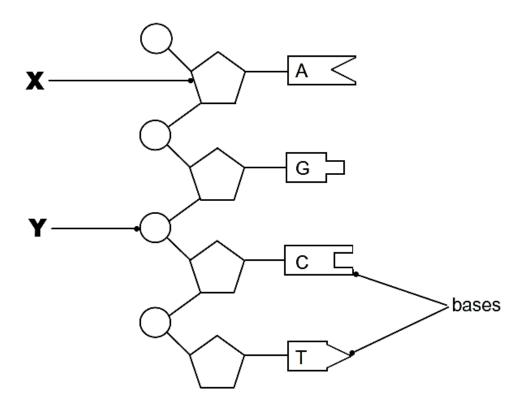
[1]

(d) Where is the DNA molecule found in the cell?

[1]

(i)	Describe the similarities in the structure of DNA molecules from different
(1)	people.
(ii)	Describe how DNA differs from one person to another making each of them
	unique.

The diagram shows part of a strand of DNA.



(a) Name the chemicals X and Y.

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Υ	