

## **GCSE Biology B (Twenty First Century Science)**

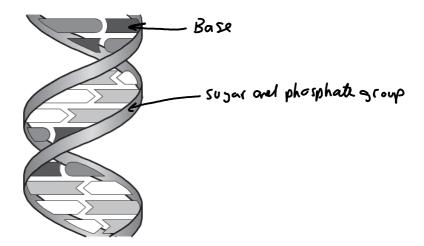
J257/01 Breadth in Biology (Foundation)

## **Question Set 2**

Multiple Choice Questions

**1.** DNA is a polymer made of nucleotides. A nucleotide is made of a sugar, a phosphate and a base.

The diagram shows the structure of DNA.



(a) (i) On the diagram label the location of a base.

- [1]
- (ii) On the diagram label the location of the sugar and phosphate group.
- [1]

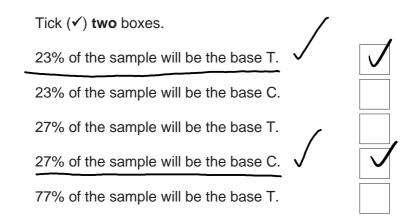
**(b)** DNA has four different bases.

A always pairs with T.

C always pairs with G.

A scientist is analysing a sample of DNA. She works out that 23% of DNA is made up of the base A.

Which two statements about the sample are correct?



[2]

## **Total Marks for Question Set 2: 4**



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