

**GCSE Biology B (Twenty First Century Science)**  
**J257/02** Depth in Biology (Foundation)

**Question Set 13**

1 Cells contain DNA.

(a) Which **two** words describe the shape of a DNA molecule?

Tick (✓) **two** boxes.

- Double
- Genome
- Single
- Helix
- Triple
- Nucleus

[2]

(b) DNA is made from nucleotides.

Each nucleotide is made from a common sugar, a phosphate group and one other part.

What is the name of the other part?

[1]

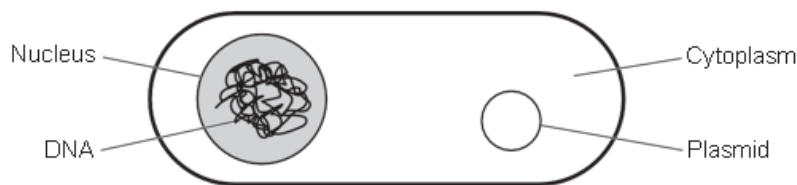
(c) Put the structures in the correct order of size, from the largest to the smallest.

**cell      chromosome      gene      nucleotide      nucleus**

largest .....  
.....  
.....  
.....  
smallest .....

[4]

(d) Ali has made this diagram of a bacterium.



There is a mistake in Ali's diagram.

Identify **one** mistake in Ali's diagram of a bacterium.

[1]

**Total Marks for Question Set 13: 8**

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