

5 The diagram shows the order of bases along part of one strand of DNA.

A—C—T—T—A—G—A—T

What is the order of bases on the complementary part of the other strand?

- A** A—C—T—T—A—G—A—T
B C—A—G—G—C—T—C—G
C T—A—G—A—T—T—C—A
D T—G—A—A—T—C—T—A

5 A DNA molecule contains pairs of bases.

What is a correct combination of a pair of bases?

- A** A and G **B** C and A **C** G and T **D** T and A

6 What is the test for protein?

	name of the test	heat	colour change
A	Benedict's	yes	blue to purple
B	biuret	yes	blue to red
C	biuret	no	blue to purple
D	Benedict's	no	blue to red

21 What is the chemical formula of glucose?

- A** $C_6H_6O_6$ **B** C_6HO_6 **C** $C_6H_{12}O_6$ **D** $C_{12}H_{12}O_6$

7 A section of a chromosome contains 4500 bases. There are 1450 G bases.

How many A bases are there?

- A** 800 **B** 1450 **C** 1600 **D** 2900

8 Which chemical element is found in proteins but **not** in carbohydrates?

- A** carbon
B hydrogen
C nitrogen
D oxygen