



Oxford Cambridge and RSA

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

**J257/03** Breadth in Biology (Higher)

## **Question Set 14**

1

This question is about the genome and genetics.

Write down the best term to complete each sentence.

- (a) During protein synthesis, a copy of a gene is made from a molecule called .....**mRNA**..... [1]
- (b) A characteristic of an organism that results from the interaction of the environment and the genome is called its .....**phenotype**..... [1]
- (c) A .....**nucleotide**..... is a monomer of DNA and is made from a sugar, a phosphate group and a base. [1]
- (d) A mutation in a .....**non-coding**..... region of DNA can affect the phenotype by altering gene expression. [1]

**Total Marks for Question Set 14: 4**

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