

AQA, OCR, Edexcel

GCSE Science

GCSE Biology

Chromosome Questions

Name:

M M E

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Total Marks: /24

Q1: State the definition of a chromosome.

_____ (1 mark)

Q2: Chromosomes are present in pairs. How many pairs of chromosomes are present in the human genome?

_____ Pairs
(1 mark)

Q3: List the 4 nucleotides, which make up DNA.

1. _____
2. _____
3. _____
4. _____

(4 marks)

Q4: Describe the structure of DNA.

_____ (3 marks)

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Q5: Below is a nucleotide sequence of DNA. Tick the correct complementary sequence from the list below.

GAACTTG

TCCAGGT

CTTGAAC

ACCGGTC

GAACTTG

(1 mark)

Q6: What is a gene?

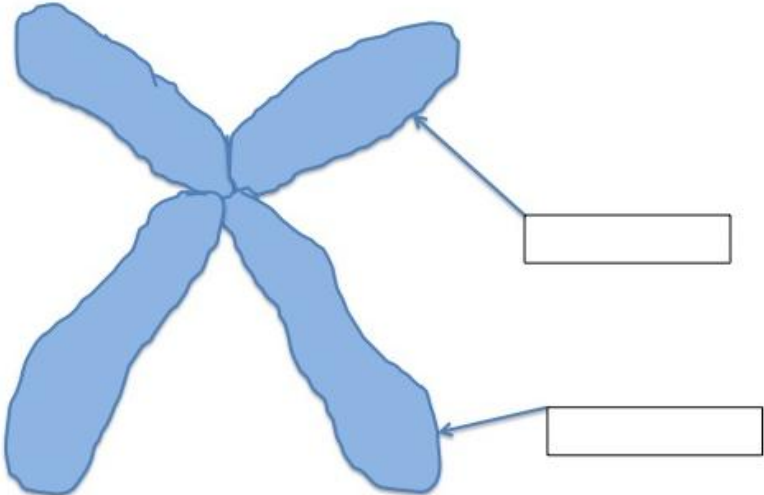
_____ (1 mark)

Q7: What is an allele?

_____ (1 mark)

Q8: Label the P and Q arm of the chromosome shown in figure 1.

Figure 1



(2marks)

Q9: Explain how DNA can be extracted from soya beans.

(6 marks)

Q10: Describe the stages of protein synthesis.

(6 marks)