**Science 1.9 AS 90948** Demonstrate understanding of biological ideas relating to genetic variation



Writing Excellence answers to **DNA and Genes** questions

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| **DNA and Genes QUESTION** | |
| **Question:**  Use the diagram below to help you explain the relationship between chromosomes, genes, alleles, phenotype, genotype, and the molecule DNA. | |
| **ANSWER** | |
| 1. explain link between chromosomes and DNA |  |
| 2. describe the physical structure of DNA |  |
| 3. **Explain the pairing rule of DNA** |  |
| 4. link the **base sequence to trait and gene (use example)** |  |
| 5. Give the definition for an allele (use example) |  |
| 6. link pair of chromosomes to pair of alleles |  |
| 7. link alleles to base sequence |  |
| 8. give the definition of a genotype |  |
| 9. link genotype to phenotype |  |
| 10. give definition of dominant alleles |  |
| 11. give definition of recessive alleles |  |

NOTE: The white column is how your answer would appear on your test paper so make sure you **write out complete sentences**. The grey area is just to help you structure your answer and would not appear in the question.