

2 (a) Explain the terms gene, genotype and phenotype.

gene

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genotype

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phenotype

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[3]

(b) A monohybrid genetic cross can be carried out to produce an F1 and an F2 generation.

- Outline how a monohybrid genetic cross is carried out.
- State the expected percentage of each of the different offspring **genotypes** in the F2 generation.

Assume that the inheritance pattern is for autosomal dominant and recessive alleles.

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[Total: 8]