

17 Inheritance and crosses — Part 2

— Answers

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Work through these after trying the questions yourself.

17.6 Genotype is the alleles an organism has; phenotype is the features you can observe.

17.7 Having two identical alleles (BB or bb).

17.8 ...there is no dominant allele present (two recessive alleles, e.g. bb).

17.9 3:1 (dominant to recessive).

17.10 BB, Bb, Bb, bb.

17.11 From **Bb** × **Bb** the offspring are **BB**, **Bb**, **Bb**, **bb**. Only **bb** gives blue eyes, which is **1 out of 4** (a 25% chance).