

KEY FACTS

- Dominant (capital letter): expressed with just ONE copy — masks recessive
- Recessive (lowercase): only expressed with TWO copies (homozygous recessive)
- Homozygous: BB or bb (same alleles). Heterozygous: Bb (different alleles)
- Genotype: alleles present (e.g. Bb). Phenotype: observable characteristic (e.g. brown eyes)
- Bb x Bb: ratio 3 dominant : 1 recessive (25% chance of recessive phenotype)
- ★ Co-dominance: both alleles expressed equally (e.g. ABO blood group: I^A and I^B)

KEY TERMS

Dominant	Expressed with just one copy — written as capital letter
Recessive	Only expressed with two copies — written as lowercase
Genotype	The alleles an individual carries (e.g. Bb)
Phenotype	The observable characteristic produced by the genotype

■ EXAM TIP: Always draw the FULL Punnett square including parental gametes. Missing gametes loses a mark even if boxes are correct.