

Punnett Square Practice Worksheet

Type of Genetic Cross	Key Characteristics	Design Punnett Square	Example or Sample
Dominant-Recessive Inheritance	<ul style="list-style-type: none"> - Involves one dominant and one recessive allele. - Dominant trait appears if at least one dominant allele is present. - Represented as AA, Aa, or aa. 		
Sex-Linked Traits	<ul style="list-style-type: none"> - Traits carried on sex chromosomes (X or Y). - Males (XY) more affected than females (XX). - Use X and Y notation to track inheritance. 		
Incomplete Dominance	<ul style="list-style-type: none"> - No complete dominance; heterozygous individuals show a blended phenotype. - Represented as Rr where neither R nor r is fully dominant. 		
Co-Dominance	<ul style="list-style-type: none"> - Both alleles are dominant and expressed simultaneously. - Example: BW instead of BB or WW. - Results in mixed phenotype. 		
Dihybrid Cross	<ul style="list-style-type: none"> - Involves two traits inherited together. - Use a 4x4 Punnett Square. - Includes genotypic combinations like AaBb, AABb, etc. 		