

WORKSHEET PATTERNS OF HEREDITY

Answer the Following questions.

- Complete the Punnet square for a cross between a homozygous red-flowered snapdragon (RR) and a homozygous white-flowered snapdragon (rr). Give the ratio for the phenotype and the genotype.

Key

RR – red
rr – white
Rr – pink

F₁

genotype _____

phenotype _____

- What happens to the phenotype of the heterozygotes when traits are inherited in an incomplete dominance pattern?
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- Complete the Punnet Square for a cross between two F₁ plants (rr). Give the phenotype ratio for the F₂ generation.

F₂

Phenotype ratio _____

- What is the name of the inheritance pattern in which both alleles are expressed equally?
- Complete the Punnet square for a cross between a black chicken (BB) and a white chicken (WW). Give the phenotype of the offspring in the F₁ generation.

Key

BB – black
WW – white
BW – checkered

F₁

Phenotype _____