Incomplete Dominance

- All of our examples so far have used genes with only 2 forms:

Dominant **OR** Recessive

GG ; Gg (no middle trait) gg

- But not All genes behave this way ; some allow for a "middle trait" OR a Range of expression
- 2 Types of these genes are Incomplete Dominance & Co-Dominance (next Lesson)

Incomplete Dominance : phenotype of a heterozygous individual is a mix or middle range of the parent phenotypes

eg) Flower Colour : RR

Rr

rr

Eg) What are the % genotypes & phenotypes for the F_1 & F_2 generations of a pure-breeding Red snap dragon X pure-breeding white snap dragon?

Parents : Red x White

F_1 geno: pheno:

F_2 : pink x pink

geno : pheno:

Eg: When a Red and a Pink snap dragon are crossed what % of offspring flowers will be white?