

Dominance Relations

Dominance

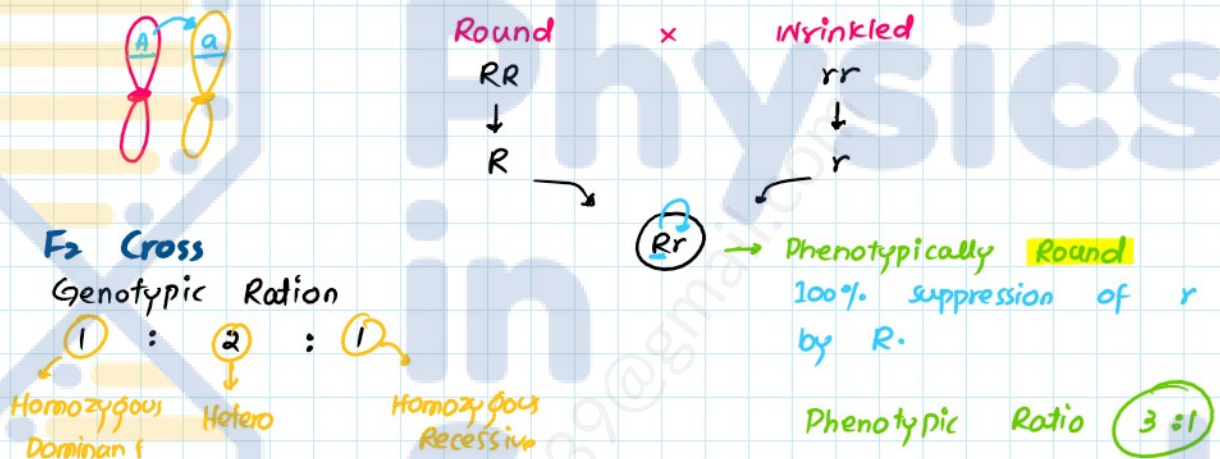
Physiological effect of **an allele to other one** is called Dominance. (Same locus)

• Always seen in heterozygous form.

Complete Dominance

→ Mendel's all seven traits.

When **one allele** suppresses the effect of **other allele by 100%** is called Complete Dominance.



In-Complete Dominance

→ Partial Dominance

Both alleles are unable to suppress the effect of other allele by 100% is called incomplete dominance.

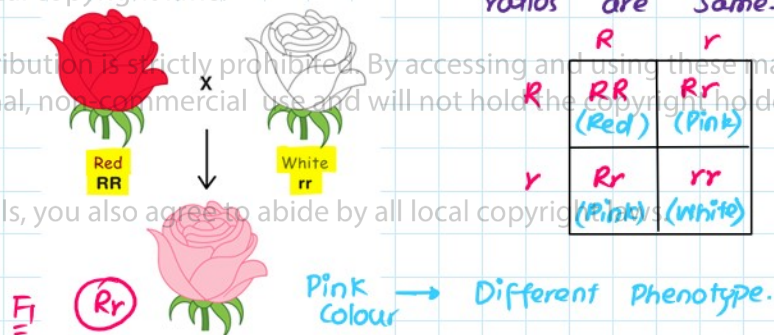
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→ 4 o'clock Plant

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F₁ Cross



Co- Dominance

When **both alleles** are able to express their effect by **100%** is called co-dominance.

MN BLOOD GROUP

M N

Phenotypic Ratio

MN BLOOD GROUP



	m	n
M	MM	MN
N	MN	NN

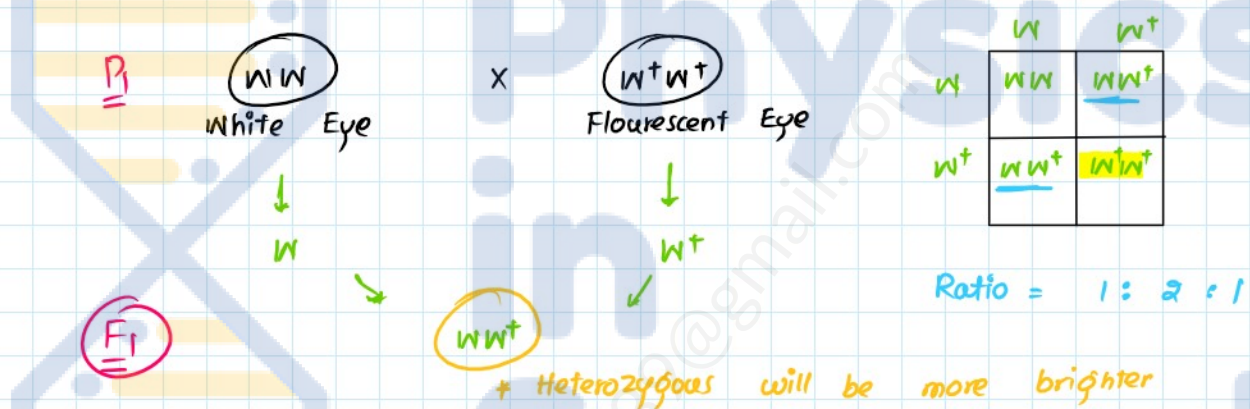
Phenotypic Ratio
1 : 2 : 1

Genotypic Ratio
1 : 2 : 1

NOTE: No test cross Needed.

Over Dominance

When one allele show its effect more than 100% in heterozygous form is called Over-Dominance.



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