

# Dihybrid Crosses

- Two factor Crosses


- Independent Assortment:

- genes for different traits can segregate independently during the formation of gametes
- genes are passed separately from other genes and each allele has an equal chance of being passed to offspring

- Example:

Cross 2 plants that are both heterozygous for size (tall and short) and heterozygous for flower color (purple and white).

Tall (T) and Purple (F) are dominant.

 TtFf x TtFf

	TF	Tf	tF	tf
TF	TTFF	TtFf	TtFf	TtFf
Tf	TtFf	Ttff	TtFf	Ttff
tF	TtFf	TtFf	ttFF	ttFf
tf	TtFf	Ttff	ttFf	ttff

9 tall purple:  
3 short purple:  
3 tall white:  
1 short white