Your name: _____

Group member names: _____

_____

_____

_____

Data resulting from computer simulated crosses for one trait at a time:

Cross	Leaf color (must total 64)	Stem color (must total 64)
P1 X P1	Green =_____ Yellow = _____	Purple =_____ Green = _____
P2 X P2	Green =_____ Yellow = _____	Purple =_____ Green = _____
P1 X P2	**Green =_____ Yellow = _____**	**Purple =_____ Green = _____**
F1 X F1	**Green =_____ Yellow = _____**	**Purple =_____ Green = _____**
P1 X F1	Green =_____ Yellow = _____	Purple =_____ Green = _____
P2 X F1	Green =_____ Yellow = _____	Purple =_____ Green = _____

Data resulting from computer simulated crosses for <u>both</u> traits at once:

Cross	Green Leaves & Purple Stems	Green Leaves & Green Stems	Yellow Leaves & Purple Stems	Yellow Leaves & Green Stems

P1 X P1				
P2 X P2				
P1 X P2 *Class data* →	100%	0%	0%	0%
F1 X F1 *Class data* →	881	415	325	121
P1 X F1				
P2 X F1				

Challenge crosses

Are all green leafed purple stemmed F2 plants the same? Try crossing 5 different green leafed purple stemmed F2 plants with a **P2** plant. What does the outcome of these crosses tell you about how some F2 plants that **look** the same might not actually be the same "inside"?

Cross	Green Leaves & Purple Stems	Green Leaves & Green Stems	Yellow Leaves & Purple Stems	Yellow Leaves & Green Stems
F2 X P2				
F2 X P2				
F2 X P2				
F2 X P2				
F2 X P2				