Name	
	CP Biology
	Ms. Simon

Trihybrid Cross

Complete the trihybrid cross below. Be sure to list all of the sex cells for each parent before completing the Punnett square. Once your Punnett square is complete, <u>color code the boxes by genotype</u>, then list the genotypes (with percentages) and phenotypes (with fractions) of the offspring. Finally, determine the phenotype ratio. The recessive phenotypes are: Short (t), Wrinkled (r), and Green (y). (Hint: There will be 27 offspring genotypes and 8 offspring phenotypes.)

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D,	1 10.	n n	+0	
г,	411	ρn		

Phenotypes: O - Hybrid Tall (T), Hybrid Round (R), Hybrid Yellow (Y)

• Hybrid Tall, Hybrid Round, Hybrid Yellow

Genotypes: o' -

φ._____

List the Sex Cells:

ď		Q
1	1	
8	$\frac{\overline{8}}{8}$	
1	<u>1</u>	
8	8	
1	<u>1</u>	
8	8	
1	<u>1</u>	
8	8	
1	<u>1</u>	
8	8	
1	<u>1</u>	
8	8	
1	<u>1</u>	
8	8	
$ \frac{1}{8} $		
8	8	

Offspring:
Genotypes & Fractions

<u>Phenotypes and Fractions</u>