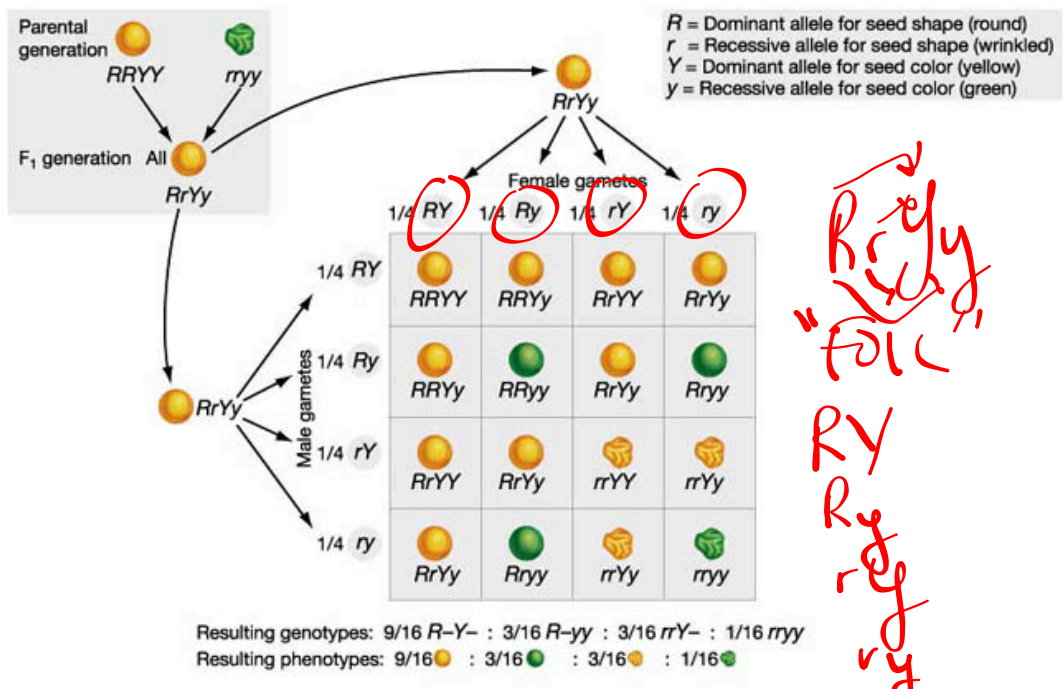


T = tongue roller

t = non-roller

Hybrid female crossed with a non-roller

1. Write out parental genotypes and do Punnet square
2. Predict genotypic ratio of offspring
3. Predict phenotypic ratio of offspring



Assign symbols:

1. T = tongue-roller
 t = non-roller

2. cross: $Tt \times tt$

3.

	T	t
t	Tt	tt
t	Tt	tt

4. Genotype ratio : 0 : 2 : 2

5. Phenotype ratio : 2 : 2

Black fur dom, white fur is rec.

1. Symbols: B = black fur
 b = white fur

2 Hybrid parents cross

2. Cross: $Bb \times Bb$

3.

	B	b
B	BB	Bb
b	Bb	bb

4. Genotype Ratio: $1:2:1$

5. phenotype : $3:1$

Chickens - cross a black-feathered
bird w/ a white feathered bird
result is Black + white speckled.
BIRD.

Codominant!

1. symbols - B = Black feathers
W = White fur

2. cross black feather bird w/ white
feathered bird.
- BB x WW

3.

	B	B
W	BW	BW
W	BW	BW

(0:4:0)

4. Genotype ratio: ~~1:0:0~~

Non-disjunction.

- abnormal # chromosomes
in gametes

Down syndrome = trisomy
@
21.

XY female

X~~Y~~

→ missing genes
that respond to
testosterone

Turner's Syndrome

XO

Klinefelter's Syndrome

XXY

Rh + — don/rec.

ABO

$I^A = A$
 $I^B = B$

$I = O$ = universal donor

Universal recipient - AB

