

## Easter Bunny Genetics

Directions: For each trait/ characteristic below,

- 1) Flip the "M" coin for mother. If it is heads, that is the dominant form of the trait. If it is tails, that is the recessive form of the trait. Mark the allele in the data table.
- 2) Repeat this with the "F" coin for father.
- 3) Put the two alleles together to indicate the complete genotype for the trait.  
\*Gender (The last trait) - uses a different method - described at bottom!
- 4) Use the characteristic description to indicate the phenotype your bunny will have for that trait.
- 5) Use the picture of the phenotypes on the board to draw/complete/ color your Easter bunny!
- 6) Cut out your bunny, put your name on the back, and turn in at front basket.

Trait	Description	Your Bunny's Alleles		Genotype	Phenotype
		Mother Allele	Father Allele		
Bunny Ears	BB = Straight Bb = One of each bb = floppy				
Ear Lining	LL or Ll = Pink ll = Yellow				
Nose Color	NN or Nn = Pink nn = Black				
Eye Shape	EE or Ee = Oval ee = Circle				
Eye Color	CC or Cc = Blue cc = Green				
Fur Color	FF = Gray Ff = Brown ff = White				
Belly Color	BB or Bb = Pink bb = White				
Whisker Length	WW or Ww = 7 cm ww = 3 cm				
Cheek Style	CC or Cc = Rosy cc = Freckles				
Teeth Number	TT or Tt = 2 tt = 1				
Tail Style	TT or Tt = Fluffy tt = Smooth				
Basket Shape	BB or Bb = Round bb = Square				
Basket Filler	BB or Bb = Eggs bb = Carrots				
Gender	XX = Female - Pink bowtie XY = Male - Blue bowtie	Heads = X Tails = X	Heads = X Tails = Y		

