














Name:

Period:

Date:

Chuck-Ken Chicks

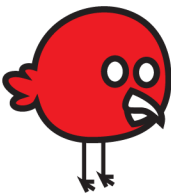
What genes (technically alleles) you inherit and pass on is a matter of chance. To model that, you will flip a coin to determine what genes will be passed on from each parent to their offspring.

Trait Variation									
Genes (alleles)	RR	Rr	rr	YY	Yy	yy	GG	Gg	gg
Trait Variation				NO WINGS	NO WINGS		FEMALE	MALE	
Genes (alleles)	MM	Mm	mm	WW	Ww	ww	XX	XY	

Mother Chuck-Ken

Father Chuck-Ken

Chuck-Ken Chick



Body Color		
Eye Size		
Leg Length		
Beak Size		
Wings		
M or F		

Body Color		
Eye Size		
Leg Length		
Beak Size		
Wings		
M or F		

	Mom	Dad
Body Color		
Eye Size		
Leg Length		
Beak Size		
Wings		
M or F		

Why do siblings look different even though they have the same parents?