## Genetics: Studying INSECTUS PRAIRIEVIEWIIUS

		tical insect and its "genes" to demonst erms we need to know:	rate
Define the following	terms:	-	: .
Dominance-	•		
Recessive-			
Genotype-			
Phenotype-			-
Homozygous-			·
Heterozygous-			
Punnet square-			
	es and phenotypes of y otype key on back page Abdomen size	our insect: Must have two genes for e e. Genotype:	Phenotype:
•	Body color		
	Thorax size	•	ar.
	Wings		Di .
Chromosome #2		Genotype:	Phenotype:
	Drug resistant		
	Head size		
	Eye color		·
	Antennae present		
	Leg length		
Chromosome #3		Genotype:	Phenotype:
	Fertile		
	Sex		

Now construct your bug given the body parts sheet. Be sure to include the characteristics as they have been coded for on the chromosomes. Finally, add color to your bug!

-							
		_			•		
Abdomen size:				*		,	
Appoinen size.	Long	A					
•	Short	a					
		<b>u</b>					
Body color:							
• • •	Black	B					
	Grey	ь					
•	**						
Thorax size:	_						e
	Long	T					
	Short	1			•		
Wince	•						
Wings:	Long	W					
	Short	W				•	
	24011	• • •				بات. م	
Drug resistant							
to DDT:							
<b>.</b>	Is	D			•	•	
•	Is not	d					
77 1 '							
Head size:	I 0500	נז					
	Large Small	H h					
Eye color:	oman	ш				-	
Lyc color.					-	•	•
	Red	R					
	Green	r			r ·		
Antennae:	•		•				
	Present	P	_		•		
•	Not present	P	•				
T == 1					<u>.</u> '		
Leg length:	Short	S		•	•		
	Long	S S				-	
	2046	J					ĺ
Fertility:							
· •	Fertile	F					
· ·	Not fertile	f					
+							ļ
Sex:	_						ļ
	Female	X Y	÷			,	1
•	Male	Y	-			,	
•						<i>y</i> •	].
		ē					

head antennae thorax abdomen wings

legs