## **Monohybrid Crosses Practice**

For all of the following questions, use these facts: the trait is fur color (f). Black fur is dominant over gray fur.

	Write the letter of th		
2.	2. Write the letter of the recessive allele.		
3.	<ol> <li>Write out the homozygous dominant genotype (2 alleles).</li> <li>Write out the heterozygous genotype (2 alleles).</li> </ol>		
4.	Write out the hetero	zygous genotype	(2 alleles).
5.	Write out the homoz	ygous recessive g	genotype
6.	Write the genotype i	or gray fur	or
/.	Write the genotype i	or Black fur.	or
over g			ohybrid cross problems. (Remember: Black fur is dominant on the left vertical side and the fathers genotype is on the
Ĺ		1.	If the mother is homozygous recessive and the father is homozygous dominant.
			a) genotype probabilities:
			b) phenotype probabilities:
		2	If the mother is heterozygous, and the father is
Г		2.	heterozygous.
			a) genotype probabilities:
			b) phenotype probabilities:
		3.	If the mother is heterozygous, and the father is homozygous dominant.
			a) genotype probabilities:
			b) phenotype probabilities:



	<ol> <li>If the mother is homozygous recessive, and the father is heterozygous.</li> </ol>
	a) genotype probabilities:
	b) phenotype probabilities:
Word Problems using Monohybr	
	s dominant to green seed color. If a heterozygous pea plant is crossed essive for seed color, what is the probability that the offspring will have
2. In fruit flies normal wings (W) is two fruit flies, give the following re Normal wing 793 Vestigial wing 811	dominant over vestigial wings (w). The results of a cross, of sults:
5. Red eyes (R) in fruit flies are dor possible eye colors for each of the f A. Rr x rr	ninant over white eyes (r). Using Punnett squares, find the following crosses.
A. KI X II	
B. rr x RR	
C. Rr x Rr	

