Name:		Date:	Period:	
	Sex-l	linked Traits Pra	ctice Problems	
	gene for white eye n a normal red-eyed		essive. (R) is red and (r) is	s white. Cross a white-
	a.	What percent of	the males will have red e	yes? White eyes?
	b	. What percent of	the females will have red	eyes? White eyes?
	c.	What total perc	cent of the offspring will b	e white-eyed?
d. What per	rcent of the offspri	ng will be carriers	of the white eye trait?	
2. Using the same i male.	information as for o	question #1, cross	a heterozygous red-eyed f	emale with a red-eyed
	a.	What are the ge	notypes of each parent?	
	b	. What fraction o	of the children will have re	ed eyes?
	c.	What fraction o	of the children will have w	hite eyes?
d. What fra	action of the female	e children will carr	ry the white eyed trait?	
	•		If a female who is a carried following questions.	er for hemophilia
	a. What	fraction of the fer	nale children will have he	mophilia?
	b. What	fraction of the fer	male children will be carri	ers?
	c. What	fraction of the ma	ale children will have norn	nal blood clotting?

- d. What fraction of the male children will be carriers?
- e. What fraction of the male children will have hemophilia?

Na	me:	Date:	Period:	
1.	Two normal visioned pa	rents have a color-blind son	a. Give the genotype of both	parents and the son.
2.	incompletely dominant t	roduces a yellow color. These produces a tortoise shell contains the female with a yellow male.	color. The alleles (B)	
		a. What percent	of their offspring will be yel	llow?
		b. What percent of	of their offspring will be bla	ick?
		c. What percent of	of their offspring will be tor	toise shell?
	d. Why is it imposs	sible to have a tortoise shell	male offspring?	