WLHS/Biology/Monson		Name			
MONOUVERID OROCCEO.	MONOHYBRID and DIHYBRID (	CROSSES – a review!			
	black fur color dominates white. Two heterozygous black rats mate. Show the sand write out the genotype and phenotype ratios for the offspring.				
		phenotype ratio:			
2) In watermelons, the gene for green rind is dominant color over the gene for white rind color. Cregreen rind watermelon with a white rind watermelon. As above, show the Punnett Square and write genotype and phenotype ratios for the offspring.  PUNNETT SQUARE:  genotype ratio:					
		phenotype ratio:			
and Mr. Jones died. Mr. Smi A) What are the genotypes	th married Mrs. Jones. They had a of all the individuals involved?	I a son, John, who could roll his tongue. Mrs. Smith a daughter, Mary, who could roll her tongue.  Mary Smith			
Mr. Jones	Mr. Smith				
Mrs. Jones	Mrs. Smith				
Sally Jones	John Smith	_			
B) What is the probability that the next child of Mr. Smith and Mrs. Jones will NOT be tongue roller? Show your work in the form of a Punnett Square.					
parental cross, a true-breeding		kernel is dominant to wrinkled kernels. In a n is cross-pollinated with a strain of white-smooth at the cross)			
A) What are the genotypes o	f the parental generation?	X			
B) What is the genotype ratio	for the F1 generation?				
C) What is the phenotype rat	io for the F1 generation?				
D) Each plant from the F1 ge expected phenotype ratio for		e cross using a Punnett Square. Also, list the			

Parents' pametes PHENOTYPE RATIO:

					g) and long hair (H) is dominant to short hair c ratio, and phenotypic ratio.
A) Cross a l guinea pig.	nomozygous g	olden fur, hom	ozygous long l	hair guinea pig	g and a heterozygous golden fur, short haired
CROSS:	x				
Parents'——					GENOTYPE RATIO:
					PHENOTYPE RATIO:
,			hair guinea piç	g and a silver,	short hair guinea pig
CROSS:	<u> </u>				
Parents' gametes	•				GENOTYPE RATIO:
					PHENOTYPE RATIO:
•			naired guinea p	oig and a silve	r fur, hybrid long haired guinea pig.
CROSS:	<b>X</b>		ı	ı	
Parents' gametes					GENOTYPE RATIO:
					PHENOTYPE RATIO:
					THENOTTI E NATIO.
D) Cross a h	eterozygous g guinea pig.	olden fur, hete	erozygous long	haired guinea	pig and a heterozygous golden fur, hybrid
CROSS:	x	_			
Parents'—					GENOTYPE RATIO:
- ▼					
					PHENOTYPE RATIO:
	1	1	I	ı	I