			Name:				
mpl	e Genetics P	Practice Prob	olems				
1. For eac	n genotype, indicate w	vhether it is heterozygo	ous (HE) or homozygo	us <u>(HO)</u>			
				the offspring will be round			
	AA Bb	Ee	li	Mm			
	Cc	ff GG HH	li Jj kk Ll	nn 00			
	Dd	HH	LI	Pp			
2. For eac	h of the genotypes bel	low, determine the ph	enotype.				
	•		The state of the s				
		e dominant to white fl		re dominant to blue eyes			
	Pp		Bb	Dhow iis world .eses			
	pp	O HARBIN O M	bb	bhow its wests. eses			
	Round seeds are dominant to wrinkled Bobtails are recessive (long tails dominant)						
	RR	•	_ Tt	6. A 17 plant is proper setting 17 or at the property of the p			
	rr		tt				
3. For eac	h phenotype, list the g	enotypes. (Remembe	er to use the letter of the	e dominant trait)			
(90)							
	Straight hair is dominant to curly. Pointed heads are dominant to round heads. straight pointed						
		straight		n a interel			
		curly	round cals the palagrito entitle episitisoried territorial				
4. Set up t	he square for each of	the crosses listed hel	low. The trait being stu	died is round seeds (domi	nant) and wrinkled		
seeds (red				Appropriate the second	Tanty and Williams		
Rrxrr	0						
-							
What per	entage of the offspring	a will be round?					
at porc	The state of the s						

	R	r×Rr		
What percentage of the offspr	ring will be round?	omen to (Sin) shogy:		
RR x Rr				
	00			
:				
What percentage of the offspr		88		
Practice with Crosses. Sho	ow all work! ( Vo	n MUST show	a punnett Squa	ure to receive
5. A TT (tall) plant is crossed what percentage of the offspi			See dominant to wrini	
6. A Tt plant is crossed with a of the offspring will be short?	Tt plant. What percer			
7. A heterozygous round seeded plant the offspring will be homozygous	lant (RR). What perce	ntage of		3. For each phenotype, list:
8. A homozygous round seed wrinkled seeded plant. What a	ed plant is crossed ware the genotypes of t	ith a homozygous the parents?		
What percentage of the offspi	ring will also be homo	27/00/163		
9. In pea plants purple flowers			of the crosses listed	
If two white flowered plants ar offspring will be white flowere	e cross, what percent	tage of their		
10. A white flowered plant is on the trait. Who offspring will have purple flow	at percentage of the			
11. Two plants, both heterozy flower color are crossed. Wha will have <u>purple flowers?</u> What percentage will have wh	at percentage of their			
12. In guinea pigs, the allele for What genotype would a heter What genotype would a purel What genotype would a long I	or short hair is domina ozygous short haired oreeding short haired	guinea pig have? guinea pig have?	spring will be round?	
13. Show the cross for a pure and a long haired guinea pig. What percentage of the offspi				