Name:				Per:	Date:		
	Di	ihybrid (	Cross Prac	tice Proble	ems —		
<ul><li>Recessive al</li><li>Dominate al</li></ul>	llele for tall pla llele for dwarf llele for purple llele for white	ants = D plants = d flowers = v flowers = w	W	recessive parer	nt.		
	X						
	ı		1	ı			
Using the Punnett a. What is the	-		all plants with	purple flowers?	,		
Possible g	enotype(s)?						
b. What is th	e probability o	of producing	g dwarf plants v	with white flow	ers?		
Possible g	enotype(s)?						
c. What is the	probability of	producing t	all plants with	white flowers?			
Possible g	Possible genotype(s)?						
d. What is th	e probability o	of producing	g dwarf plants v	with purple flow	vers?		
Possible g	genotype(s)?						

• I • F	Dominate all Recessive all Dominate all Recessive all	ele for bla ele for wh ele for rou ele for sm	ng the following the fur in guine nite fur in guine ugh fur in guine nooth fur in guine with a heterozyg	a pigs = B ca pigs = b ca pigs = R nea pigs = r		
Cross a r	10001027804	s parent vi	im a never ezy g	_		
				x		
	•					
_	the Punnett What is the p	-		guinea pigs with	n black, rough f	îur?
	Possible ge	notype(s)	?			
b. What is the probability of producing guinea pigs with black, smooth fur?						
	Possible ge	notype(s)	?			
c.V	What is the p	orobability	of producing g	guinea pigs with	n white, rough	fur?
	Possible ge	notype(s)	?			
d.	What is the	probabili	ity of producing	g guinea pigs w	ith white, smoo	oth fur?
	Possible ge	enotype(s)	?			

• I • I • I	o a Punnett square using Dominate allele for pure Recessive allele for yeld Dominate allele for state Recessive allele for swarf homozygous dominate allele for	rple corn kerned low corn kerned rchy kernels = tet kernals = tet parent with	ls = R els = r T a heterozygous	parent.		
			X			
Using the Punnett square above:  a. What is the probability of producing purple, starchy corn kernels?						
	Possible genotype(s)?					
b. What is the probability of producing yellow, starchy corn kernels?						
	Possible genotype(s)	?				
c.V	What is the probability	of producing p	ourple, sweet co	orn kernels?		
	Possible genotype(s)?					
d.	What is the probabili	ty of producing	g yellow, sweet	corn kernels?		
	Possible genotype(s)	?				

• I • F • F	Dominate all Recessive all Dominant all Recessive all	ele for not lele for bla lele for bro lele for blu	ing the following rmal coat color ack coat color in own eyes = B are eyes = b ant parent with	in wolves = N n wolves = n	recessive pare	nt.	
		x					
_	the Punnett What is the p	-		wolf with a no	ormal coat colo	r with brown ey	es?
	Possible ge	enotype(s)	?				
b.	What is the	e probabili	ty of producing	g a wolf with a	normal coat co	lor with blue ey	es?
	Possible ge	enotype(s)	?				
c. What is the probability of producing a wolf with a black coat with brown eyes?							
	Possible genotype(s)?						
d	d. What is the probability of producing a wolf with a black coat with blue eyes?						

Possible genotype(s)?