Genetics	Test	Study	Guide

Name:

4				
1. Color blindness is a recessive trait. Both the mother a				
determine the following. What percentage of the offsport				
the offspring are carriers? 59% What percentage of	the offspring are colorblind (affected)?%			
N=hormel 07 Nn n=colorblad & Nn	NNNN			
2. A heterozygous black rabbit is crossed with a homozy				
What percentage would be black? 50 %	= white b Bb bb			
What percentage would be white?	Homostrous to b B6 B6			
3. In purple people eaters, one horn is dominant and no horn is recessive. Draw a Punnet Square showing the cross of a purple people eater that is Purebred for horns (HH) with a purple people eater that does not have horns (hh). What percentage of the offspring would have a horn? What percentage would have no horns?				
4. Mendel found that crossing round-seeded plants with wrinkle-seeded plants produced only round-seeded plants. What phenotype of seeds would you have if you crossed a (Rr) with a (Rr)?				
R = Dominant Round r = Recessive Wrinkled	R C			
What percentage of the seeds would be round?	R RR Rr			
What percentage of the seeds would be wrinkled? 25	Ry C			
VOCAB	15			
Homozygous Recessive	. **			
Homozygous Dominant	W = 300			
Heterozygous				
Gamete				
Phenotype				

Genotype