



1. Tell whether the following blood genotypes are homozygous (Ho) or heterozygous (He). AA OO BO BB AB AO	
Which would be considered purebred? Which would be considered hybrid?	0
2. Determine the blood type phenotype for each genotype: AA AO OO BB BO AB	
3. For each blood type phenotype, give the genotypes possible: Type A: Type B Type O Type AB	
4. Sandy Squirrel met Stewart Squirrel at the water chestnut festival. They fell in love. Sandy is blood type AB & Stewart is blood type O. Sandy Squirrel's genotype:	
Stewart Squirrel's genotype Make a Punnett square to show the possible blood genotypes of heir children	
What is the possibility of a baby squirrel with blood type O? out of or %	
What is the possibility of a baby squirrel with blood type AB? out of or % What is the possibility of a baby squirrel with blood type A? out of or %	
What is the possibility of a baby squirrel with blood type B? out of or %	
5. Pearl the whale had a horrible accident at cheerleading practice and needed a blood transfusion. So she needed to find out her possible blood type. Her dad, Mr. Krabbs is homozygous for blood type A and her mom is heterozygous for blood type B. Mr. Krabbs genotype: Mrs. Krabbs genotype: Make a Punnett square to show Pearl's possible blood type(s) What is the possibility of Pearl having blood type O? out of or % What is the possibility of Pearl having blood type A? out of or % What is the possibility of Pearl having blood type B? out of or %	
6. In sponges, there exists a sex-linked recessive disorder that causes a sponge to have tiny pores. ($X^P = \text{normal}$ pores, $X^P = \text{recessive}$ small pores). SpongeBob & his true love SpongeSusie are planning to have baby sponges. SpongeBob has the disorder & Susie is a carrier. SpongeBob's genotype: X X	
SpongeSusie's genotype: Make a Punnett square to show the possible genotypes of their children. What percentage of their sons will have the disorder?]
What percentage of their sons will be normal?	-
What percentage of their daughters will be normal but carriers?	
What percentage of their daughters will be normal non-carriers?	