

Lessons in Blood

Complete the following table -

Show the alleles that would be found in each offspring, and write the blood type for each of the offspring.

		Possible alleles from mother		
		A	B	O
Possible alleles from father	A			
	B			
	O			

Based on the alleles you drew, what is your genotype? _____

What is your phenotype (blood type)? _____

Directions: Choose a partner. Fill in the parent's genotypes and phenotypes. Predict the possible genotype and phenotypes that could result from a mating of those parents. Next, each parent randomly draws one allele from the other parent. Those 2 alleles are they baby's actual genotype. Repeat with a second partner.

First Exchange

Parents Genotypes:

Parents Phenotypes:

Baby's possible Genotypes:

Baby's possible Phenotypes:

Baby's Actual Genotype:

Baby Actual Phenotype:

Second Exchange

Parents Genotypes:

Parents Phenotypes:

Baby's possible Genotypes:

Baby's possible Phenotypes:

Baby's Actual Genotype:

Baby Actual Phenotype: